

- Chen, Wei-Dong, 651  
 Chen, Wency, E240  
 Chen, Yaw-Sen, E240  
 Chen, Yibo, E298  
 Chen, Yu-Xin, 281  
 Chen, Zhenbin, 1281  
 Chen, Zhi-Ming, 1477  
 Cheng, Hsu-Tang, E285, 1561  
 Cheng, Yu, 281  
 Chernyavsky, Victoriya S., 1472  
 Chestovich, Paul J., 1314  
 Cheung-Flynn, Joyce, 922  
 Chi, Albert, 1483  
 Chieco, Paola Addario, E226  
 Chin, Edward, 790  
 Chirletti, Piero, E30  
 Chiu, Anita, E252  
 Cho, S. D., 1685  
 Choe, Eun Kyung, 736  
 Choi, Dongho, 81  
 Choi, Julian, 48  
 Choi, Sae Byeol, 401  
 Choi, Sang Yong, 401  
 Choi, Yong U., 1665  
 Choi, Yoon Young, 81  
 Chojnacki, Karen A., 488  
 Chokshi, Ravi J., 1629  
 Chon, Sang-Hoon, 48  
 Chondrogiannis, Konstantinos D., E17  
 Choong, Mun-Yau, E274, E296  
 Chopra, Karan, E204  
 Chory, Fiona M., 1423  
 Chow, Thomas T., 1714  
 Christakis, Ares, 795  
 Christine, John D., 1650  
 Christian, Derick J., 417  
 Christian, Derick, 545  
 Christian, Kevin, 942  
 Christie, Amy B., 608  
 Christie, Catherine, 1353  
 Christie, D. Benjamin, 608  
 Christman, Jennifer, E278  
 Christmas, A. Britton, 304  
 Chua, Terence C., 221  
 Chuan-xin, Wu, 627  
 Chuang, Jui-Fen, 59  
 Chung, Kao-Chi, E296  
 Chung, Mathew H., 1158  
 Cicchini, Claudia, E262  
 Cicinnati, Vito R., 1695  
 Cina, Robert, 249  
 Cintorino, Davide, 125  
 Cipolla, Calogero, 1490  
 Cipolla, James, 1066  
 Clancy, Thomas V., 1021, 1091  
 Clark, Jason M., 116  
 Clark, Justin J., 1194  
 Clarke, P. Chris, 820  
 Clifton, Matthew S., 1076  
 Clond, Morgan A., 1342  
 Cobb, William S., 878  
 Cobianni, Lorenzo, 1553  
 Cochran, Amalia, 1437  
 Cochran, M. Kathy, 27  
 Cofer, Joseph B., 820  
 Cohen, J. Louis, 244, 568  
 Cohen, Kimberle C., 119  
 Cohn, David, 1629  
 Cohn, Herbert E., 1112, 1115  
 Colfry, Alfred J., 895  
 Collins, J. Craig, 1377  
 Collins, Jay N., E170, 238  
 Collins, Jay, E246, 426  
 Cologne, Kyle G., 929  
 Compoginis, John M., E202, 1580  
 Conte, Stefano, 552  
 Cook, Alan D., 32  
 Cooper, Jack M., 378  
 Copeland, Hannah, 1715  
 Coppa, Gene, 360  
 Corigliano, Nicola, 38  
 Cork, David P., 123  
 Cornwell, Edward E., 1081  
 Cornwell, Laura B., 874  
 Corriere, Matthew A., 832, 844  
 Cortesi, Enrico, E248  
 Cosenza, Umile M., 552  
 Cosgrove, John, 898, E133  
 Cossman, David, 1395  
 Countryman, David, 128  
 Coursey, Courtney A., 471  
 Courtney, John, 277  
 Crawford, Albert G., 488  
 Crespo Soto, Hector O., 120  
 Cronin, Jennifer, 1305  
 Crosby, Lauren D., E158  
 Croston, J. Kevin, 144  
 Cryer, H. Gill, 1314  
 Cuschetti, Alessandro, 257  
 Culler, Amy Sue, 193  
 Culpepper-Morgan, Joan, 796  
 Culumovic, Patrick J., 1273  
 Culumovic, Patrick, 198  
 Curras, Ernesto, 898  
 Currie, Laura L., 1091  
 Curtiss, William, E117  
 Cziffer-Paul, Andrea, 790
- D**
- D'Angelo, Francesco, E105, E262, 362, 409  
 Dönmez, Mustafa, 127  
 DeFranzo, Anthony, 1640  
 DiFazio, Louis T., 1201  
 Daher, Ronald, 1624  
 Dang, Catherine M., 180, 1361  
 Dang, Phat, 1372  
 Daniel, Farkas, E124  
 Daniels, Rebecca G., E74  
 Dart IV, Benjamin W., E162  
 Dart, Benjamin W., 998  
 Dauphine, Christine, 1358  
 Davenport, Daniel, 839  
 Davenport, William C., 116  
 David Richardson, J., 1038  
 David, Elizabeth A., E168  
 David, Jean-Stephane, 621  
 David, Lisa, 1640  
 David, H. Tracy, 1003  
 Davidov, Tomer, 1472  
 Davidovic, Lazar, E19  
 Davis, Brian R., E142, E152  
 Davis, Karole M., 720, 756  
 Davis, Mustafa K., E147  
 De Biasi, Andreas, 510  
 de Campos-Lobato, Luiz Felipe, 527  
 De Manzini, Nicolò, 1619  
 De Silva, Sadie, 1381  
 De Virgilio, Christian, 1322  
 Deal, Allison M., 850, 1086  
 Dean, Patrick G., 731  
 Dechert, Tracey A., 1576  
 Dedemadi, Georgia, 101  
 Deedar-Ali-Khawaja, Ranish, 368  
 Demher, Jeffrey J., E250, 960  
 Del Gaudio, Massimo, 257, 409  
 DeLeon, Michelle F., 1574  
 Delgado, Oziel Cantú, E41  
 Delman, Keith A., 1050  
 Demetriades, Demetrios, 311, 621, 634, 702, 1176, 1334  
 Demirbas, Burak, E208  
 Demirel, Arif Hakan, 127  
 Denneve, Jeremiah L., 369  
 Dente, Christopher J., 1043  
 DeUgarte, Daniel, 557  
 Dewailly, Didier, E69  
 Di Fabio, Francesco, E212  
 di Francesco, Fabrizio, 125  
 Di Martino, Natale, 1100  
 Di Santo, Vincenzo, 409  
 Di Vita, Gaetano, 386  
 Diaz, Dennis, 839  
 DiFazio, Louis T., 1201, 1183  
 DiFranzo, L. Andrew, 1318, 1326  
 Dimitroulis, Dimitrios, 151  
 Ding, Zi-Hai, 1546  
 Dionigi, Paolo, 1553  
 Dionisi, Lorenza, 38  
 Divino, Celia M., 790  
 Dixon, Robert G., 1086  
 Dizdar, Omer, E33, 234  
 Djoric, Predrag, 726  
 Doepker, Matthew, 505  
 Dolich, Matthew O., 1372  
 Domingo, Orville H., E256  
 Domino, David J., 247  
 Donaldson, Brian, 499, 796  
 Donayre, Carlos, 1399  
 Dorlac, Warren C., 1685  
 Dorsch, Diane, 783  
 Douard, Richard, 1  
 Doumit, Gaby, 793  
 Dragas, Marko, E19  
 Drais, John M., 1463  
 Drobish, Amy A., 850  
 Duane, Therese M., 826  
 Duane, Therese M., 297, 1576  
 Dubé, Pierre, 233  
 Dubay, Linda, 981  
 Dubin, Jonathan, 512  
 Duchesne, Juan C., 201  
 DuCoin, Christopher, 856  
 Dudrick, Stanley J., 355  
 Duldulao, Marjun P., 1281  
 Dundar, Ziya, 231  
 Dunn, Ernest L., 1144  
 Dunn, Ernest, 19, 498  
 Duran, Marco Antonio, 1715  
 Duranti, Enrico, 38  
 Durling-Grover, Renay, 1183  
 Dwivedi, Amit J., E224, E238, 1117
- E**
- Eagle, Susan, 922  
 Easparam, Sarah, E85, 716, 1714  
 Eastman, Alexander L., 1707  
 Eberhardt, John, 221  
 Echo, Anthony, E96  
 Edwards, Matthew S., 832, 844  
 Egger, Michael E., 992, 1038  
 Eghbali, Aliashraf, E112  
 Eiferman, Daniel, 1003  
 Eken, Gunes, 231  
 El Ghoul, Wessam, E212  
 El Khoury, Marc Y., 345  
 El-Ghazaly, Tarek H., 252  
 El-Sedfy, Abraham, 517  
 Ellenhorn, Joshua, 430  
 Elliott, Christian, 1390  
 Ellis, Bryan J., E150  
 Ellison, E. Christopher, 1428  
 Eng, Mary, 911  
 Engel, Amy M., 942  
 Engel, Amy, 443, 505  
 Enguix, Daniel P., 868  
 Erdem, Oktay, 648  
 Erdem, Zuhul, 648  
 Erdmann, Detlev, E287  
 Erdoes, Luke S., 1606  
 Erlich, Rodrigo B., 512  
 Ernst, Olivier, E69  
 Espat, N. Joseph, 1526  
 Esquivel, Jesus, 221  
 Evans, David C., 1003  
 Ezell, Jessica B., 1606
- F**
- Fabian, Timothy C., 139  
 Fabricant, Loic, 681  
 Faiz, Omar, 501  
 Falagas, Matthew E., 1206  
 Fallat, Mary E., 1432  
 Familua, Oluwamayowa, 499, 796  
 Fan, Lingbo, 826  
 Fan, Xin, 651  
 Fan, Yueping, E166  
 Fann, Stephen A., 241  
 Fannin, Elizabeth, E278  
 Faraco, Maria Ramirez, 115  
 Farah, Pierre, E175  
 Farley, David R., 1539  
 Farmer, Russell W., 1009  
 Farmer, Russell Ware, 868  
 Farnum, James, 443  
 Farrell, Timothy M., 916  
 Fassler, Steven A., E260  
 Feeney, James, 337  
 Fei, Chen, 1467  
 Feinberg, Elyssa J., 286  
 Feinberg, Michelle L., 286  
 Feliciano, David V., 369, 1043  
 Feliciani, Francesco, 38  
 Felipe de Campos-Lobato, Luiz, 1613  
 Ferguson, Eric J., 74, 799  
 Ferguson, Lorenzo, 981  
 Ferrada, Paula A., E126  
 E188, 1430  
 Ferri, Mario, 38  
 Ferrone, Cristina R., 1267  
 Filippakis, George M., E7  
 Findeiss, Laura, 1330  
 Fini, Milena, 290  
 Finn, Dan, 370  
 Fischer, Lars, E199  
 Fiscina, Creighton, 856  
 Fisher, Sarah B., 1076  
 Flaherty, Stephen F., 1685  
 Fleming, Muffin M., 484  
 Fleshner, Phillip, 1295, 1309  
 Flessas, Ioannis, E7  
 Florida, Rosario, 88  
 Flynn, Michael B., 484  
 Fontenot, Bennett, 249  
 Ford, David T., 241  
 Foroutan, Ali, E232  
 Foroutan, Hamid-Reza, E232  
 Forsberg, Clay, 1640  
 Fortes, Daniel L. C., 675  
 Fortson, James K., E147  
 Foster, Brock, E272  
 Foster, Nova, 1305  
 Foulkrod, Kelli H., 342  
 Fowler, Jeffrey, 1629  
 Fragulidis, Georgios P., E17  
 Fraiman, Mark, 503  
 Francescatti, Amanda, 929  
 Francesco, Torelli, E121  
 Franklin, Glen A., E265  
 Franklin, Glen, 1038  
 Friedell, Mark L., 116  
 Friedman, Barak, E138  
 Friend, Kara E., E170  
 Friese, Randy S., 534  
 Friese, Susan, 103  
 Friess, Helmut, 651  
 Frizzi, James D., 1665  
 Frutos, Maria Dolores, 1264  
 Fu, Chih-Yuan, 466, 803  
 Fuente, Sebastian G. de la, 907  
 Fuentes, Fernando Turégano, E5

Fuhr, Hannah M., 1032  
 Fuhrman, George M., 407, 895  
 Fujii, Takaaki, E91, 242, 690

## G

Gabram-Mendola, Sheryl G.A., 747  
 Gaca, Jeffrey G., 1438  
 Galia, Massimo, 1490  
 Gallaher, Jared R., 1061  
 Galloway, John R., 965  
 Gan, S. Ian, 1267  
 Gandolfi, Abbey, 795  
 Gangi, Alexandra, 1309  
 Gao, Pen, 1584  
 Garaulet, Emilio Terol, 115  
 Garcés, Marina, E236  
 García-García, Salvador, E244  
 García-Granero, Eduardo, 501  
 García-Lascrain, José Luis, 239  
 García-Marin, Andrés, E244  
 García-Mora, Arturo, 112  
 García, Alberto F., 778  
 Garces, Marina, 501  
 García-Aguilar, Julio, 430, 1281  
 Gargiulo, Nicholas J., III, 315, 366  
 Garofalo, Alfredo, E37  
 Garza-Jordan, Julia de la, 586  
 Gaspard, Donald, 1580  
 Gaul, Katie, 133  
 Gayet, Brice, 1681  
 Ge, Phillip, 1322  
 Gehwolf, Philipp, E62  
 Geiger, Timothy M., 773  
 Geisler, Daniel P., 527  
 Gemechu, Abebe, E50  
 Genyk, Yuri, E27  
 Georgiou, Evangelos, 708  
 Getz, Stanley, 888  
 Gewertz, Bruce L., 1412  
 Gewertz, Bruce, 1395  
 Gezgen, Gamze, E284  
 Ghahramani, Maryam, E112  
 Ghorra, Claude, 1624  
 Gianmarco, Reda, E121  
 Giannitrapani, Lydia, 1490  
 Giardino, Roberto, 290  
 Gibbons, Melinda, 1305  
 Gibson, Frederick, 361  
 Gibler, Kaitlin M., 93  
 Gil, Jorge Martin, E5  
 Gil, Jose, 1264  
 Gilbert, Juliana, 1009  
 Gilbert, Julianna E., 992  
 Ginter, Brooke A.R., 188  
 Gipson, Jonathon C., 144  
 Girotra, Mohit, 512  
 Gkegkes, Ioannis D., 1206  
 Gockel, Ines, 761  
 Goel, Anuj, 1144  
 Goettler, Claudia, 27  
 Goettler, Claudia E., E220, 1600  
 Gogglin, Leigh S., 1563  
 Goldberg, Aaron E., 297  
 Goldstein, Richard E., 484  
 Goldstein, Scott D., 1559  
 Gomatos, Ilias, 246  
 Gong, Jian-Ping, 348, 1496  
 González Valverde, 115, 659  
 Francisco Miguel, 239  
 González-Pézzat, Iliana, E41  
 González, Fabián Contreras, 166  
 Goode, Terral, 832, 844  
 Goodney, Philip P., 1330  
 Goodwin, Scott C., 981  
 Goriel, Yousif, E269  
 Goshima, Satoshi, 1158  
 Goslin, Brent J., 669  
 Graebner, Nancy K., 1707  
 Graham, David B., 971  
 Graham, Laura A., 778  
 Granados, Marcela, 443  
 Grannan, Kevin, 1589  
 Grant, Wendy J., 1100  
 Grassia, Michele, 971  
 Green, Sari, 1358  
 Greenlee, Susan M., 1539  
 Greenwell, Brian, 198  
 Gregorian, Armen, E214  
 Greiffenstein, Patrick, 201  
 Gridelli, Bruno, 125  
 Griffin, Russell L., 155  
 Grim, Rod, 814, 1014  
 Griner, Devan, 1021, 1091  
 Grisham, Andre, 110  
 Grob, Patricio, 1183, 1201  
 Groen, Reinou S., E242  
 Gross, Marie-Luise, 118  
 Grover, Amelia, 1430  
 Grunberg, Wendie L., E256  
 Gruttaduria, Salvatore, 125  
 Gu, Guosheng, E166  
 Gualdi, Gianfranco, E30  
 Guerlain, Stephanie, 1131  
 Guerrero-Hernandez, Manuel, 112  
 Guilfoyle, Cara, 933  
 Gumbs, Milton, E76  
 Gunabushanam, Vikraman, E138  
 Gunay, Levent Mert, 1265  
 Gunaydin, Gurcan, 1272  
 Gunter, Joseph W., 1521  
 Guo, Fengwei, E222, 1098  
 Guo, Jun-Chao, 1445  
 Guo, Sen, 281  
 Guo, Weijia, 1593  
 Gupta, Aditya, 981  
 Gupta, Bhupinder R., 116  
 Gur, Ilia, 383  
 Gurland, Brooke, 1613  
 Gutiérrez-Martínez, María I., 778  
 Gutierrez, Eduardo Vásquez, E41  
 Gutierrez, Peter, 249

## H

Ha, Tae Kyung, 322  
 Haddad, Ashraf, 503  
 Hadjibashi, Anoushiravan Amini, 1395  
 Hadjizacharia, Pantelis, 634  
 Hagendoorn, Lee, 188, 992, 1009  
 Hager, Eric S., 488  
 Hai-bo, You, 627  
 Hakaim, Albert, E184  
 Hall, Capt. Andrew B., 128, 561  
 Hallowell, Peter T., E289  
 Halonen-Watras, Jill, 493  
 Ham, Bruce, 681  
 Hama, Takashi, 174  
 Hamilton, Gregory J., 1685  
 Hamrick, Miller C., 251  
 Han, Ernest, 1381  
 Han, Hyung Joon, 401  
 Han, Jinfeng, 826  
 Hanazaki, Kazuhiro, E82, 1454  
 Hanna, Mark H., 1330  
 Hansen, Kimberly J., 832  
 Harbrecht, Brian G., 476  
 Harbrecht, Brian, 1038  
 Hardy, David, E78  
 Harper, Garret, E78  
 Harris, Adam, E184  
 Harris, Craig, E80  
 Harris, Eleanor, E10  
 Harris, Robert M., 716  
 Harrison, Bridget L., 783

Hartmann, Elizabeth H., 998  
 Hartmanft, Charles A., E39  
 Harunari, Nobuyuki, 1276  
 Hasaniya, Nahidh, 88  
 Hatley, Robyn, E78  
 Hatou, Tsuneaki, E13  
 Hawn, Mary T., 971  
 Hayami, Shinya, 174  
 Hayashi, Michihiro, 539, 572  
 Hayward, Thomas Z., E109, 451, 1104  
 Haznedaroglu, Ibrahim, 231  
 He, Jianrong, 1700  
 He, Zhi Yun, 1584  
 Head, Karen E., 304  
 Hebra, André, 937  
 Hebra, Andre, 249  
 Helmer, Stephen D., 72  
 Henderson, Vernon J., 579  
 Hendry, Robert J., 747  
 Heniford, B. Todd, 73, 273, 592, 667, 888, 1025  
 Henry, Michael, E133  
 Hensley, Bradley J., E294  
 Herbella, Fernando A. M., 1661  
 Herbert, Hadley K., 1576  
 Herbertson, Robert, 78  
 Hernández, Quiteria, 1264  
 Herpel, Esther, 118  
 Hetrick, Vivian, 675  
 Hiatt, Jonathan R., 1314  
 Hida, Jin-Ichi, 1515  
 Hienonen, Piia, 99  
 Higgins, Jonathan Amahl, 804  
 Hilal, Mohammed Abu, E212  
 Hill, Charles R. St., 992  
 Hill, Michael, 1349  
 Hill, Nikki, 1050  
 Hill, Sarah J., 961  
 Hilmes, Melissa A., 612  
 Hina, Miss, E162  
 Hirokawa, Fumitoshi, 539, 572  
 Hirose, Yoshinobu, E57  
 Hocking, Kyle, 922  
 Hockstein, Michael, 166  
 Hodgman, Erica I., 1043  
 Hoey, Brian, 1066  
 Hofmann, Luke J., 120  
 Hogan, Michael B., 1606  
 Hohmann, Samuel, 1353, 1510  
 Holt, Alicia D., 430  
 Holzman, Michael D., 985  
 Hong, Jianguo, 1531  
 Hope, William W., 273, 948, 1021, 1091  
 Horiuchi, Tetsuya, 602  
 Hosch, Waldemar, 236  
 Hoth, J. Jason, 951  
 Hotta, Tsukasa, 602  
 Howard-McNatt, Marissa, E140, 1640  
 Howe, Jarett, E152  
 Howell, Charles, E78  
 Hozumi, Yasuo, E107  
 Hranjec, Tusan, 862  
 Hsieh, Chi-Hsun, 466, 803, 1095  
 Hsieh, Jan-Sing, 59  
 Hsu, Chiu-Hsieh, 720  
 Hsu, Yung-Chang, E285  
 Htike, Naing, 1269  
 Hu, Hao-Lin, 651  
 Hu, Yan-Feng, 1546  
 Huang, Chia-Yu, E274  
 Huang, Hung-Chang, 466  
 Huang, Jui-Chien, 466  
 Huang, Lin, E254, 647  
 Huang, Ming-Te, 307  
 Huang, Yung-Cheng, 1095  
 Huebner, Marianne, 1539  
 Huerta, Sergio, 597  
 Hughes, Duncan B., E89  
 Hughes, G. Chad, 1438

Hui, Chen, 1467  
 Hull, Tracy, 1613  
 Hulsberg, Paul, 586  
 Humphries, Timothy, 895  
 Hundley, James D., 1091  
 Hung, Chin-Sheng, 307  
 Hunt, Darren J., E162  
 Hurst, James M., E22  
 Husain, Farah A., 1665  
 Hussain, Omar N., 1342  
 Huston, Tara L., E115  
 Huttner, Benedikt, E182  
 Hwang, Dae Wook, 48

## I

Iacovelli, Roberto, E248  
 Iavazzo, Christos, 1206  
 Ichikawa, Kengo, 1454  
 Ichinose, Masao, 174  
 Ide, Munenori, E91  
 Idrovo, Juan P., 360  
 Ikawa, Aiko, E57  
 Iguchi, Masahide, 1274  
 Ikonomidis, John S., E136  
 Imagawa, David K., 1330, 1531  
 Imai, Hisashi, E13, E57  
 Imamoto, Haruhiko, 1515  
 Imano, Motohiro, 1515  
 Inaba, Kenji, 311, 621, 634, 702, 1176, 1334  
 Inoue, Yoshihiro, 539, 572  
 Iqbal, Corey W., 731  
 Irwin, Eric, 144  
 Ishimaru, Eizaburo, 1515  
 Ishitani, Michael B., 731  
 Isik, Metin, 382  
 Isik, Sevil, 694  
 Islam, Tareq M., 201  
 Itoh, Tatsuki, 1516  
 Ivatury, Rao R., 297, 826, 1576  
 Iwashita, Masayuki, 1276  
 Izar, Benjamin, 373

## J

Jacob, Maud Sandra, E127  
 Jacobs, Lenworth, 337  
 Jacobs, Michael J., E267, 981  
 Jacobs, Michael, E117  
 Jacome, Francisco, E85  
 Jahromi, Alireza Hamidian, 1712  
 Jain, Ashish K., 844  
 Jain, Kunoor, E126  
 Jalil, Yasmin, 1358  
 Jayaraman, Vijay, 337  
 Jee, Ye Seob, 507  
 Jemos, Vassili, 1553  
 Jenoff, Jay S., 1096  
 Jeremitsky, Elan, 215  
 Jeyarajah, D. Rohan, 417, 545  
 Jia, Weijuan, 1700  
 Jian-ping, Gong, 627  
 Jiang, Fusheng, 70  
 Jiang, Liuyan, E184  
 Jiao, Long R., E206  
 Jiao, Zhikai, 1593  
 Jin Kim, Yong, 376  
 Jin, Liang, 1700  
 Johnson, Brent L., E158, 1054  
 Johnson, Caitlyn M., E229  
 Johnson, Elizabeth O., 1717  
 Johnson, Laura S., 1656  
 Johnson, Rebecca, 1669  
 Johnson, Steven B., 1483  
 Johnson, Van A., 1144

Johnson, Van, 19  
 Johnson, Brent L., 878  
 Jones, Michael, 1712  
 Jones, Yonge, 878  
 Jordan, Robert, 586  
 Jordanhazy, Ryan A., 1061  
 Joseph, Bellal, 534  
 Joseph, Saju, 795  
 Josephs, Shellie C., 103  
 Joshi, Amit R.T., E89  
 Jun, Young Jin, 322  
 Juvonen, Tatu, 1222

## K

Köklü, Seyfettin, 127  
 Kadioglu Voyvoda, Nuray, 648  
 Kaiser, Gernot M., 1695  
 Kaji, Amy H., 1322, 1346  
 Kajikawa, Shoji, E82  
 Kakol, Monika, 1644  
 Kalina, Michael, 361  
 Kamath, Vijay, E138  
 Kamel, Sarah, 1463  
 Kamitaki, Brad K., 1194  
 Kamrava, Allen, 1377  
 Kamyab, Armin, E117, E267, E306  
 Kanakis, Meletios, 708  
 Kanda, Brinder S., 512  
 Kanematsu, Masayuki, E269  
 Kang, Thomas, 502  
 Kant, Ravi, 512  
 Kao, Amy, 215  
 Kara, Gamze, 248  
 Kara, Murat, 248  
 Karaibrahimoğlu, Deniz, 648  
 Karakatsanis, Andreas, E17  
 Karakatsanis, Anestis, E218  
 Karaliotas, Charilaos, 761  
 Karaliotas, Constantine C., 761  
 Karamitopoulou, Evanthia, E301  
 Karangelis, Dimos, E55  
 Karim, Sadiqa, 345  
 Karipineni, Farah, 1510  
 Karkos, Christos, E55  
 Karrer, Urs, E182  
 Kasmikha, Zaid, E267  
 Katz, Matthew H. G., 1330  
 Katz, Steven, 1526  
 Kaufman, Howard L., E164  
 Kaufman, Howard S., 1290  
 Kavic, Stephen, E204  
 Kayaalp, Cuneit, 694  
 Kazemi, Andrea, E226, 257  
 Kechagias, Aristotelis, 1222  
 Kechagias, Georgios, 1222  
 Kehdy, Farid, 389, 1565  
 Keleman, Alex M., 1330, 1531  
 Kelishadi, Sean, E204  
 Kella, Venkata K., 898  
 Keller, Deborah, 933  
 Keller, Jennifer E., 592  
 Keller, Leslie L., 128  
 Keller, Michael A., 507  
 Kelley, Michael J., 273  
 Kelley, Scott R., E150, 232  
 Kempainen, Esko, 99  
 Kennedy, Eugene P., 488  
 Kerby, Jeffrey D., 155  
 Kercher, Kent W., 592, 667  
 Khakpour, Nazanin, E10  
 Khalkhali, Iraj, 1358  
 Khandhar, Sandeep J., 675  
 Kheirbek, Tareq, 1656  
 Khithani, Amit, 417, 545  
 Khoury, Amal L., 1081  
 Khoury, Nabila, 1449  
 Kiernan, Paul D., 675  
 Kigongo, Samuel, E127

Kigure, Wakako, E91  
 Kilaru, Sashi P., 232  
 Kilincer, Abidin, E208  
 Kilkenny, John W., 383  
 Kiluk, John V., E10  
 Kim, Bong-Wan, 697  
 Kim, Byoung-Seup, 752  
 Kim, Chung Yun, 401  
 Kim, Hyung-Ho, 507  
 Kim, Joseph, 1281  
 Kim, Jung Hoon, 81  
 Kim, Karen, 1399  
 Kim, Myung Wook, 697  
 Kim, Unsup, 1502  
 Kim, Wan Bae, 401  
 Kim, Wook Hwan, 697  
 Kim, Young Chul, 401  
 Kiraly, Laszlo N., 1685  
 Kiran, Ravi P., 527  
 Kirchhoffner, Jill, 1483  
 Kizilarslanoglu, Muhammet C., E284  
 Klauber-DeMore, Nancy, 850  
 Klaus, Alexander, E62  
 Klausner, Joseph M., 1102  
 Kleiman, David A., E89  
 Klein, Eric N., E252  
 Klemens, Anne E., 756  
 Klersy, Catherine, 1553  
 Klima, David A., 888  
 Klipfel, Adam, 1460  
 Kneuert, Peter J., 965  
 Ko, Clifford Y., 1305  
 Kobayashi, Leslie, 702, 1176  
 Kobayashi, Michiya, 1454  
 Kobayashi, Yasuhito, 602  
 Koca, Ebru, 231  
 Koch, Moritz, 118  
 Koehler, Elizabeth A., 612  
 Kohanzadeh, Som, 1412  
 Kohli, Harjeet, 351, 977, 1675  
 Kohli, Monica, 351  
 Koizumi, Masaru, E107  
 Kojima, Noriaki, E13  
 Kolachalam, Ramachandra B., 981  
 Kolinioti, Angeliki, E101  
 Kolokotronis, Theodoros, 236  
 Komalavilas, Padmini, 922  
 Komeda, Koji, 539, 572  
 Komenaka, Ian K., 640, 720, 756  
 Komorowska, Olivia, 1644  
 Kondo, Hiroshi, E269  
 Konoeda, Chihiro, E119  
 Konstadoulakis, Manousos, 246  
 Konstantinidis, Agathoklis, 702  
 Konstantinidis, Ioannis T., 1267  
 Kontovounisios, Christos, 761  
 Kooby, David A., 965  
 Kopchok, George, 1399  
 Kopriva, Brenda M., E72  
 Koray Bas, Kadir, 24, E195  
 Koruda, Mark J., 960  
 Koshenkov, Vadim P., 1169  
 Kosuge, Takayuki, 1276  
 Kotwall, Cyrus A., 1021  
 Kouris, Nikolaos, E34  
 Kralj, Ivan, 868  
 Krebs, Henry, 93  
 Krugh, Kerry, 193  
 Kubalak, Gary, 743  
 Kucukoztas, Nadiire, E9  
 Kuehn, Reed B., 1685  
 Kulvatunyou, Narong, 534, 686  
 Kumano, Hidetoshi, E107  
 Kummerow, Kristy L., 985  
 Kuo, Paul C., 907  
 Kurek, Stanley, 480  
 Kuru, Serdar, 127  
 Kushner, Adam L., E242  
 Kuwano, Hiroyuki, E91, 242, 690  
 Kwon, Murray H., 1314

## L

Ladd, Mitchell R., 1061  
 Lagares-Garcia, Jorge, 1460  
 Lahat, Guy, 1102  
 Lai, Lily L., 1381  
 Laimer, Elisabeth, E62  
 Lam, Lydia, 311, 621, 702, 1176, 1334  
 Lambrianides, Andreas L., E80, E258  
 Landmann, Ron G., E184  
 Lane, John S., 1330  
 Langnas, Alan N., 1589  
 Langness, Simone M., 961  
 Lanitis, Sophocles, 761  
 Laronga, Christine, E10  
 Latif, Sahibzada, 1650  
 Latifi, Rifat, 534  
 Latteri, Mario A., 1490  
 Lau, Briana, 1318, 1368  
 Lau, Christopher, E15  
 Lauer, Sherry K., 193  
 Laugénour, Kelly, 1353, 1390, 1510  
 Lauretta, Andrea, E206  
 Lauwers, Gregory Y., 1267  
 Lavy, Daniel, 795  
 Lazaridis, Panagiotis, E101  
 Le, Maithao, 1281  
 Leacche, Marzia, 922  
 Leandros, Emmanuel, 122, 246  
 Lebeau, Kelsey, 1131  
 Leber, Mark, E127  
 Leblanc, Guy, 233  
 Leclerc, Yves E., 233  
 Lee, Anthony W., 253  
 Lee, Bong Hwa, 752  
 Lee, Do Sang, E87  
 Lee, Han-Byoel, 507  
 Lee, Jae Hoon, 322  
 Lee, Jae-myeong, 697  
 Lee, Jenny J., 1364  
 Lee, Ju-Hee, 507  
 Lee, Jun Hyun, E87  
 Lee, Kichun Sky, 747  
 Lee, Kwang Soo, 322  
 Lee, Kyeong Geun, 322  
 Lee, Kyung-Jae, 81  
 Lee, M. Catherine, E10  
 Lee, Moon-Soo, 507  
 Lee, Steven L., 1346, 1420  
 Lee, Wei-Jei, 307  
 Lee, Wendy, 1281  
 Lee, Young-Joo, 48  
 Lees, Jason S., 686  
 Lefor, Alan T., E107  
 Leng, Xi-Sheng, 1445  
 Leow, Jeffrey J., E242  
 Leppäniemi, Ari, 99  
 Leppard, William M., E131, E136, E144, E160  
 Leroy, Maryse, E69  
 Lesar, Christopher J., 1606  
 Leshar, Aaron P., 937  
 Lessing, Yonatan, 1102  
 Letarte, François, 233  
 Levi, Edi, 1449  
 Levine, Edward A., 1640  
 Levine, Edward, 378  
 Ley, Eric J., 1342, 1416  
 Li Petri, Sergio, 125  
 Li, Guo-Xin, 1546  
 Li, Jieshou, E166  
 Li, Jun, 1098  
 Li, Shunrong, 1700  
 Li, Suzhi, E179  
 Li, Tzong-Shiun, E274, E296  
 Li, Wenyan, 1281  
 Li, Yong, 1593  
 Liakou, Paraskevi, E7  
 Lianfang, Li, 1467

Liang, Hung-Hua, 307  
 Lim, James, 1269  
 Lima, Brian, 1438  
 Lin, Bao-Rong, 656  
 Lin, Chia-Yun, 466  
 Lin, Chih-Yen, E296  
 Lin, Ching-Chun, E240  
 Lin, Fu-Yu, 1561  
 Lin, Kai-Jen, E240  
 Lin, Kai-Yuan, 422  
 Lin, Matthew Y. C., 1286  
 Lin, Paul, 1381  
 Lin, Yi-Feng, 422  
 Linardou, Valia, E34  
 Linardoutsos, Dimitrios, E7  
 Lincourt, Amy E., 667, 888, 1025  
 Linder, Jeffrey D., 545  
 Linkov, Gary, 235  
 Lipshutz, Gerald S., 1407  
 Lipsitz, Evan C., 366  
 Lissauer, Matthew E., 1483  
 Litt, Jeff, 814  
 Liu, En-Yu, 281  
 Liu, Enyu, 1531  
 Liu, Feng, E179  
 Liu, Wendy Y., 1286  
 Liu, Yu-Cun, 1445  
 Livert, David, 977, 1675  
 Livhits, Masha, 1305  
 Llaguna, Omar H., 1086  
 Lledó, Salvador, 501  
 Lo, Hung-Chieh, 1095  
 Lokey, Jonathan S., E158  
 Lombardo, Gary, 345  
 Loo, Jerry, E27  
 Lopez-Benitez, Ruben, 118  
 Lorenzo-Rivero, Shauna, 883  
 Lorenzo, Manuel, 19, 1144  
 Lorenzon, Laura, E226  
 Losanoff, Julian E., 113, E177, 1449  
 Loukas, Constantinos, 708  
 Loukas, Marios, 566, 586  
 Lovisetto, Federico, 1553  
 Lovvorn, Harold N., 612  
 Lowe, Janell, E10  
 Lowe, Kevin, 545  
 Lowe, Michael, 1050  
 Lowe, Stephen, 799  
 Lowe, Steve, E59  
 Lu, Cheng, 1467  
 Lu, Chien-Yu, 59  
 Lu, Chih-Wei, 466  
 Lube, Matthew W., 856  
 Lubezky, Nir, 1102  
 Luigi, Marano, E121  
 Luján, Juan Antonio, 1264  
 Luján, Juan J., 1169  
 Luk, Stephen, 337  
 Lum, Sharon S., 1349  
 Lumbley, Joshua, 1629  
 Lumpkins, Kimberly, 510  
 Lurie, Fedor, 1194  
 Lustenberger, Thomas, 311  
 Lykoudis, Panagis M., E17  
 Lyons, Mark, 1144

## M

Müller-Stich, Beat P., E199  
 Müller, Sascha A., 118  
 McArthur, Karina, 166  
 McCarthy, Denise, 1183  
 McDonough, Sarah, 443  
 McGillicuddy, John, 373  
 McGwin, Gerald, 155  
 McKenzie, Shaun, 430  
 McKinley, Brian P., 198  
 McLawhorn, Marc, 1669  
 McMahon, Meredith, 389

- McMasters, Kelly M., 93, 188, 874, 992, 1009  
 McSwain, Norman E., Jr., 201  
 Ma, Cheng-Jen, 59  
 Ma, Jian Zhon, 1584  
 Ma, Qin-Yun, 1477  
 Ma, Zhixue, 1593  
 Macaron, Shady H., 355  
 Machida, Taiichi, E82  
 MacIntyre, Allan D., 162  
 Mackey, Richard, 503  
 Madlinger, Robert V., E127  
 Maeda, Hiromichi, E82, 1454  
 Maestre, Maria, 1264  
 Maffi, Terry R., 756  
 Maglio, Riccardo, E262  
 Mahalingam, Siva Kumar, E98  
 Maithel, Shishir K., 965  
 Malangoni, Mark A., 364  
 Malgras, Brice, 1  
 Malhotra, Ajai K., 297, 1576  
 Malhotra, Ajai, 826  
 Malhotra, Sakshi, E53  
 Malinoski, Darren, 1416  
 Malkani, Arthur L., 476  
 Mamais, Ioannis, 1206  
 Manasrah, Raed, 1337  
 Mancianti, Paola, E45  
 Mangram, Alicia J., 1144  
 Mangram, Alicia, 19, 498  
 Manley, Justin D., 1521  
 Marín Blázquez, Antonio 115, 659  
 Albarracín,  
 Marín, Andrés García, E5  
 Marín, Miguel Ruiz, 115, 659  
 Marano, Luigi, 1100  
 Marcello, Peter W., 773  
 Margioulas, Apostolos, E218  
 Margni, Mohammed, 804  
 Margulies, Dan R., 1342  
 Margulies, Daniel R., 1412, 1416  
 Mari, Francesco S., 552  
 Marianna, Petrillo, E121  
 Mariantonia, Carosi, E37  
 Mario, Dente, E175  
 Markelov, Alexey, 977, 1675  
 Marks, Joshua A., 1096  
 Marks, Malcolm, 1640  
 Marlowe, Gregory S., E190  
 Marshall, Harry P., 960  
 Marshall, Janene, 579  
 Martínez Crespo, Juan José, 659  
 Martin, Edward W., Jr., 1629  
 Martin, Nancy R., 297  
 Martin, Niels D., 1096  
 Martin, Robert C. G., 93, 188, 868, 992, 1009  
 Martin, Terry R., 1025  
 Marvin, Michael R., 911  
 Masoni, Luigi, 552  
 Masoomi, Hossein, 1300, 1353, 1372, 1403  
 Masoomi, Hossein, 1510  
 Massomi, Hossein, 1390  
 Mastoraki, Aikaterini, E301  
 Masys, Daniel R., 985  
 Matin, Taraneh, 1353  
 Matsuda, Kenji, 602  
 Matsui, Koji, E13  
 Matt, Sarah E., 1656  
 Matusz, Petru, 586  
 Maxwell IV, Pinckney J., E229, 1112, 1559, 1574  
 Maxwell, Damian, E281  
 Maxwell, Pinckney J., 123, 649, 658, 662, 801, 1423  
 Maxwell, Robert A., 998  
 Mayberry, John C., 438  
 Mayberry, John, 681  
 Mayglothling, Julie, 826  
 Mays, Michael P., 188  
 McGillicuddy, John W., E131  
 McGillicuddy, John, 373  
 McGinty, James J., 235  
 McKnight, Aisha J., E96  
 McMasters, K. M., 868  
 McMasters, Kelly M., 93, 992, 1009, 874  
 Medina-Franco, Heriberto, 112  
 Mehaffey, James H., 1032  
 Mehta, Sanjay, 372  
 Mejia, Vicente A., 998  
 Mel Wilcox, C., 1650  
 Melemini, Aikaterini, E17  
 Mella, Mario, E244  
 Melmed, Gil, 1295  
 Melotti, Gianluigi, 409  
 Menes, Tehillah S., 1502  
 Mentula, Panu, 99  
 Mercado, Cheryl, 1305  
 Mercantini, Paolo, 38, 257, 409  
 Mercer, David F., 1589  
 Meredith, J. Wayne, 951  
 Merkow, Ryan P., 109  
 Metzger, Philip, E184  
 Metzger, Tiffany, 93  
 Meyer, Anthony A., 807, 916, 960  
 Meyers, Michael O., 850, 1086  
 Michailidou, Evropi, E218  
 Michalinos, Adamantios, 151, 1717  
 Michalopoulos, Nikolaos V., E7  
 Michele, Grassia, E121  
 Michele, Schettino, E121  
 Migaly, John, E287  
 Miles, Duncan, 1349  
 Milillo, Andrea, 552  
 Milingos, Dimitrios, E34  
 Miller, Preston R., 951  
 Miller, Richard S., 612  
 Mills, Steven D., 1372, 1403  
 Mills, Steven, 1300  
 Minei, Joseph P., 1707  
 Mirilas, Petros, 1147, 1230, 1243, 1257  
 Mirocha, James, 1342, 1395, 1416  
 Mirzayan, Nadine, 566  
 Mishra, Nitin, E138  
 Mishra, Pramod Kumar, E94  
 Mitchell, Christopher D., 1144  
 Mitchell, James D., 128  
 Mitchell, Marc E., 1521  
 Mittal, Sumeet K., 330  
 Mittal, Vijay K., 902, 981  
 Mittal, Vijay, E117  
 Mittermair, Reinhard, 1107  
 Miyamoto, Yoshiharu, 539, 572  
 Miyazaki, Yunchi, 1454  
 Mizaikoff, Boris, 747  
 Mizrahi, Solly, E43  
 Mohseni, Shahin, 1176  
 Molmenti, Ernesto P., 360, 1695  
 Monaco, Ricardo Garcia, 868  
 Moncada, Javier Ródenas, 659  
 Montalvo, Jose, 88  
 Montero, Paul N., 73, 1025  
 Moore, Christopher B., 78  
 Moore, Jason R., 198  
 Moore, Richard A., 883  
 Moorthy, Robert Clark, 498  
 Moreno, Ricardo D., 471  
 Morgan, Katherine A., E160, E304  
 Morgan, Katherine, 44  
 Morgan, Robert, 430  
 Morita, Hiroki, E91  
 Morita, Yasuhiro, E119  
 Moriwaki, Yoshihiro, 1276  
 Morris, Marvin E., E224, E238, 1117  
 Morrow, Stephen E., 612  
 Morse, Bryan C., 1043  
 Mostafa, Gamal, 273  
 Moudgill, Neil, 488  
 Mowery, Nathan T., 951  
 Mraovic, Boris, 512  
 Mullins, Richard, 681  
 Muroi, Mirko, 257  
 Murray, Bryce W., 597  
 Murrell, Zuri, 1295  
 Myers, Jonathan A., E164  
 Myers, Stuart L., 1606  
 N  
 Németh, Zoltán H., 1169, 1183, 1201  
 Nackache, Richard, 1102  
 Naesstrom, Matilda, 1644  
 Naffouje, Samer, 235  
 Nagai, Yugo, 602  
 Nagarsheth, Khanjan, 480  
 Nagpal, Anish, 48  
 Nagpal, Kamal, E76, E133, 898  
 Naing, Win, 128  
 Najjar, Jennifer, 380  
 Nakayama, Don K., 608, 1161  
 Nasser, Yusef, 1309, 1412  
 Natale, Di Martino, E121  
 Nazir, Shazia, 166  
 Nazzal, Munier, 804  
 Nazzal, Mustafa, E59  
 Nealon, William H., 985  
 Neblett, Wallace W., 380, 612  
 Neemat, Hashim, 796  
 Neff, Lucas P., 1061  
 Nelson, Rebecca A., 1281, 1381  
 Nelson, Rendon C., 471  
 Nemtsev, Denis, 1337  
 Netz, Uri, E43  
 Neulander, Ovid, E67  
 Neumayer, Leigh A., 1437  
 Neustein, Charles L., 1692  
 Neville, Angela L., 1322, 1337, 1346, 1420  
 Newcomb, William L., 667  
 Newton III, William B., 832  
 Ng, Tina T., 244, 568  
 Ng, Tina, 1395  
 Ngo, Philippe, 1681  
 Nguyen, Allan, 1386  
 Nguyen, Ninh T., 1300, 1353, 1372, 1390, 1403, 1510  
 Nguyen, Phuong H., 592  
 Nguyen, Thong, 1330  
 Nguyen, Xuan-Mai T., 1386  
 Niazi, Masooma, E76  
 Nicastro, Jeffrey, 360  
 Nicholas, Jeffrey M., 1043  
 Nigri, Giuseppe R., 257, 362, 409  
 Nigri, Giuseppe, E105, E262, 552  
 Nikiteas, Nikolaos, 708  
 Nikolaos, Krokos, E218  
 Nirula, Raminder, 169  
 Nissan, Aviram, 221  
 Niu, Jun, 281, 1531  
 Niu, Weibo, 1531  
 Nobles, Delores L., 27  
 Nofuentes, Carmen, E244  
 Nolley, Barbara, 370  
 Norwood, Scott, 32  
 Novitsky, Yuri W., 592  
 Ntzani, Vassiliki, E34  
 Nuckolls, Kaylee, 198  
 Numann, Patricia J., 1435  
 O  
 Özçakar, Levent, 248  
 O'Connor, David J., 286, 315, 366  
 O'Connor, James, 493  
 O'Keefe, Terrance, 103, 534, 634  
 Oakenful, Cindy, E258  
 Obaid, Amal, 1580  
 Oberhuber, Rupert, E62  
 Odum, Stephen R., E22  
 Oezcelik, Arzu, 1695  
 Ojo, Adedayo, E197  
 Ojo, John, 1381  
 Ok, Si Young, 81  
 Okabayashi, Takehiro, E82, 1454  
 Oki, Kelly N., 253  
 Okuno, Kiyotaka, 1515  
 Olivas, Jr., Victor J., E142  
 Oliveira, Kristin, 498  
 Oliver, Matthew, 621, 1176  
 Olmez, Aydemir, 694  
 Olson, Stephen A., E3  
 Onelli, Mariadele Rapazzotti, 38  
 Ong, Adrian, 215  
 Ong'uti, Sharon K., 1081  
 Onwuka, Ekene, 1081  
 Ordoñez, Carlos A., 778  
 Oriuch, Noboru, 690  
 Orser, Autumn J., E22  
 Ortega, Gezzar, 1081  
 Ortega, Joaquin, E236  
 Ortiz, Melchor, E152  
 Osada, Shinji, E57, E269  
 Osgood, Michael, 922  
 Oshita, Hiroo, E13  
 Ospina, Gustavo, 778  
 Oswanski, Michael F., E59, E74, 193  
 Ourian, Ariel J., 1412  
 Owen, Phillip S., 579  
 Ozao-Choy, Junko, 1502  
 P  
 Pélissier, Edouard P., 1681  
 Pérez-Bru, Susana, E244  
 Pabon, Diego F., 241  
 Padia, Reema K., 1070  
 Pagano, Duilio, 125  
 Page, Andrew, 1050  
 Paik, Seung Sam, 322  
 Palazzo, Antonella, E248  
 Pallati, Pradeep K., 330  
 Palmisano, Silvia, 1619  
 Pan, Tiecheng, 1098  
 Pan, Yi-Fei, 656  
 Pan, Youmin, E222, 1098  
 Panait, Lucian, 355  
 Pang, Lie-Wen, 1477  
 Papadopoulos, Dimitrios, E55  
 Papanikolaou, Ioannis S., E301  
 Paraschos, Alexandros, 151  
 Park, Do-Joong, 1  
 Park, Hwon Kyum, 322  
 Park, Hyoung-Chul, 752  
 Park, Kwang-Min, 48  
 Park, Kyu Joo, 736  
 Park, Sung-Hye, 736  
 Parker, Ashley Rapp, E281  
 Parra Baños, Pedro Antonio, 115, 659  
 Parra, Viviana, 778  
 Parrilla, Pascual, 1264  
 Patel, Mayur B., 471  
 Patel, Sameer H., 965  
 Patel, Vijaykumar G., E147  
 Patterson, Sharla Gayle, 747  
 Patterson, Velvet M., E220  
 Patti, Marco G., 1661  
 Paul, Andreas, 1695  
 Paul, Henry, 1081  
 Paydar, Shahram, E232  
 Paz, Benjamin, 430  
 Peck, Ellen G., 438  
 Peigné, Maëlliss, E69  
 Peitzman, Andrew B., 778

- Pelz, Joerg O.W., 221  
 Pender, John, 119  
 Peng, Cheng, 1531  
 Pennington, Robert E., 756  
 Pennycuff, Tim L., 10  
 Peparini, Nadia, E30  
 Peppas, George, 1206  
 Perna, Mark, 44  
 Perry, Zvi, E43  
 Persson, P.J., 110  
 Petrie, Beverley A., 1286  
 Petrillo, Marianna, 1100  
 Petros, Tommy J., 820, 883  
 Petrucciani, Niccolò, 257, E262, 362, 409  
 Peugh, James, 1131  
 Phadnis, Milind, 1650  
 Phangureh, Varinder, 366  
 Phelan, Herb A., 1707  
 Phillips, Edward H., 180, 1361  
 Piagkou, Maria, 1717  
 Picchetto, Andrea, E262  
 Piccini, Giuseppe, 1619  
 Piccoli, Michaela, 409  
 Pierce, Damon S., 169  
 Piessen, Guillaume, E69  
 Pilozi, Emanuela, 38  
 Pipkin, Walter, E78  
 Plurad, David, 311, 702, 1334  
 Pofahl, Walter E., 27  
 Poh, Bee Yen, E109  
 Polavarapu, Harsha V., E260  
 Poley, Stephanie, 133  
 Politano, Amani D., 862  
 Polk, Hiram C., 1426  
 Polydorou, Andreas, E17  
 Ponnappalli, Sarma, 653  
 Poole, Garrett R., 1131  
 Pope, Nicolas H., E168  
 Porfidia, Raffaele, 1100  
 Porter, John M., 185, 1521  
 Poskus, Diane, 1715  
 Poullose, Benjamin K., 985  
 Pounds, Teresa, 579  
 Prabhu, Ajita S., 667  
 Prankoff, Thomas, 1061  
 Prasad, Aakanksha, 345  
 Pratschke, Johann, E62, 1107  
 Prendergast, Tahira I., 1081  
 Prezioso, Giampaolo, E30  
 Price, Mitchell R., E190  
 Price, Phillip D., E39  
 Pricolo, Victor E., E214  
 Promes, John T., 856  
 Protogerou, Vassilis, 151  
 Puri, Vichin, 372  
 Putchakayala, Krishna, 1326  
 Putnam, Brant A., 1337, 1346, 1420  
 Putumbaka, Gowthami, 922  
 Puyana, Juan-Carlos, 778
- Q**  
 Qiao, Qi-Lu, 1445  
 Qing, Li, 1467  
 Qu, Chuan-Qiang, 281  
 Quick, Jacob A., 162  
 Quillo, Amy R., 484, 992  
 Quirante, Francisco Pastor, 659
- R**  
 Radeleff, Boris, 236  
 Radmili, Oliver, E19  
 Raffaele, Porfidia, E121  
 Rafiq, Amil, E197, 499, 796
- Rahimi-Movaghar, Vafa, E112  
 Rajalingam, Rajesh, E94  
 Rajkumar, Dhiraj, 517  
 Rakower, Stephen R., E193  
 Ramacciato, Giovanni, E105, 257, 262, 362, 409  
 Raman, Shankar, E124  
 Ramsey, Keith M., 27  
 Rasi, Alfredo, 88  
 Rasouli, Mohammad Reza, E112  
 Ravaoli, Matteo, E105, 257, 362  
 Rawlinson, Dustin, 1054  
 Ray, Sukanta, E216  
 Razzouk, Anees, 88  
 Read, Thomas E., E186, 773  
 Reavis, Kevin M., 1386, 1403  
 Reavis, Kevin, 1510  
 Reda, Gianmarco, 1100  
 Redvanly, Richard D., 273  
 Reed, Brian, E306  
 Reed, Mary J., E210  
 Reed, Scott F., 426  
 Reicks, Meghan, E65  
 Reimer, Marc W., 793  
 Reineke, Tanja, E182  
 Ren, Jianan, E166  
 Resch, Thomas, E62  
 Rescorla, Frederick J., 1463  
 Reuben, Adrian, 373  
 Reynolds, Michael F., E144  
 Reynolds, Tyler, 1399  
 Rhee, Peter M., 534, 634, 686  
 Riaz, Omer J., 297  
 Ribakovs, Aleksandrs, E103, 791  
 Ricciardi, Rocco, 773  
 Rice, Robert C., 1665  
 Richard, Franchell, E246  
 Richardson, David J., 1111  
 Richardson, William, 502  
 Richmond, Bryan K., E275  
 Rieger, Michael, 1107  
 Riera, Carmen Nofuentes, E5  
 Riera, Gregorio R., E278  
 Rivera, Manuel, 19  
 Rivers, Jose M., E278  
 Roach, Brent A., 188  
 Roach, Emir C., E284  
 Roberts, Craig S., 476  
 Roberts, Pamela M., 686  
 Roberts, Patricia L., 773  
 Rodriguez-Covarrubias, Francisco, 112  
 Rodriguez, Aurelio, 215  
 Roedersheimer, L. Richard, 232  
 Rogers, Emily A., 185  
 Rohde, Christine H., E115  
 Rohsbach, Ulrich, E50  
 Rolandelli, Rolando H., 1169, 1201  
 Romano, Camilla, E105, 362  
 Romero González, Rey Jesús, E41  
 Romero, Francisco Diaz, 93  
 Romero, Lina M., 1368  
 Roms, Pekka, 1222  
 Ros, Emilio Peña, 115  
 Rosalia, Patti, 386  
 Rosati, Carl, E298  
 Rosato, Ernest L., 488  
 Rosen, David R., E186  
 Rosenberger, Laura H., 862  
 Ross, Charles B., E224, E238, 1117  
 Ross, Merrick L., 1009  
 Rostambeigi, Nassir, 1539  
 Roszkiewicz, Jadwiga, 1644  
 Roth, John S., 839  
 Rotondo, Michael F., 1600  
 Rozycki, Grace S., 1043  
 Ruco, Luigi, 38  
 Rue, Loring W., III, 155  
 Rui, Zhong-Dao, 651  
 Ruiz, Oscar R., E278  
 Rupp, Christopher C., 916  
 Rushton, Fred W., 1521
- Russo, Giulia, E45  
 Rustein, Lisa, 868  
 Ryan, Kristin, 1526  
 Ryan, Nicholas, 476
- S**  
 Sánchez, Álvaro I., 778  
 Saad, A. Joe, 545  
 Saadat, Soheil, E112  
 Sabanis, Dimitrios, 798  
 Sabbagh, Raja, 499, 796  
 Saber, Alan A., 252  
 Sabra, John P., 342  
 Saclardes, Theodore J., 65, E154, 929  
 Sadasivam, Vijay, E242  
 Sadowitz, Benjamin, E67  
 Safcsak, Karen, 856  
 Safi, Tarang, E127  
 Safioleas, Constantinos, E1, 798  
 Sakorafas, Michael, E1, E301, 447, 798  
 Safioleas, Panayiotis, E1, 447, 798  
 Safioleas, Konstantinos, 447  
 Sagransky, Matthew J., 832  
 Sahani, Dushyant V., 1267  
 Sait, Bilgin, 382  
 Saito, Hiroaki, 1274  
 Sakellariou, Ioannis, E101  
 Sakharpe, Aniket, 1675  
 Sakorafas, George H., E1, E34, 447, 798, 1271  
 Sakorafas, George, E301  
 Salahi, Roohollah, E232  
 Saleem, Taimur, 1279  
 Salim, Ali, 634, 665, 1342, 1416  
 Salomone, Jeffrey P., 1043  
 Salti, George I., E156  
 Saltmarsh, Guy, 1322  
 Saluja, Sundeep Singh, E94  
 Salwen, Walter A., 113, 1449  
 Sambasivan, Chitra N., 1685  
 Sampson, Candace, 579  
 Sanda, Alina, 345  
 Sanders, Christopher, 1066  
 Sandomato, Luigi, 1490  
 Santin, Brian J., E39  
 Saouaf, Rola, 180  
 Saraiya, Rajendra, E133  
 Sarioglu, Jack, 933  
 Sarmiento, Juan M., 965, 1188  
 Sasaki, Yoshiyuki, E57, E269  
 Sata, Naohiro, E107  
 Sathyanarayana, Sandeep, E138  
 Anantha, 1025  
 Satishkumar, Rohan, 1025  
 Satou, Takao, 1515  
 Saunders, John C., 1094  
 Sava, Jack A., 166, 1656  
 Savino, John A., 345  
 Sawyer, Robert G., 862  
 Sbarounis, Spyridon, 246  
 Scalea, Thomas M., 1483  
 Scalea, Thomas, 493  
 Schaefer, Gregory P., 119  
 Schaeffer, Timothy J., E275  
 Schammel, Christine, 198, 1669  
 Schammel, Dave, 1669  
 Schammel, David, 198  
 Schecter, Steven, 1460  
 Schemmer, Peter, E199  
 Schettino, Michele, 1100  
 Schimpf, Dennis K., E144  
 Schisler, Nicholas, 198, 1669  
 Schmelzer, Thomas M., 304  
 Schmidt, Jan, 236  
 Schmidt, Keilla, 675  
 Schmiel, Robert E., 1521
- Schnickel, Gabriel T., 1407  
 Schoetz, David J., 773  
 Schreiber, Martin A., 438, 1685  
 Schreiber, Martin, 681  
 Schroeder, Tobias, 1695  
 Schulze, Robert, E252  
 Sciarretta, Jason D., E265  
 Scio, Antonio, E212  
 Scoggins, C. R., 868  
 Scoggins, Charles R., 93, 188, 992, 1009  
 Scott, John D., 1094  
 Scott, Joshua A., 1665  
 Seigler, Hilliard F., 907  
 Seims, Aaron, 1463  
 Selby, Rick, E27  
 Seleverstov, Oleksandr, E289  
 Sellers, Nancy, 747  
 Seo, Daekwan, 81  
 Sexton, Kevin, 922  
 Sgourakis, George, 761  
 Sgueglia, Monica, E45  
 Shackelford, Paul, 1600  
 Shafi, Shahid, 103  
 Shah, A. K., E133  
 Shah, Asad A., 1438  
 Shah, Kavin G., 360  
 Shah, Sonam A., E304  
 Shaik, Imtiazuddin, E59  
 Shapiro, Caitlin, 1390  
 Shapiro, David, 337  
 Sharma, Ashok, E94  
 Sharma, Om P., 193  
 Sharma, Poonam, E53  
 Shaz, Beth H., 1043  
 Sheffey, James E., 1106  
 Shekherdian, Shant, 557  
 Shelton, Julia S., 985  
 Shen, Hua-Ping, 1496  
 Shen, Jeannie, 1364  
 Sheng-wei, Li, 627  
 Sher, Linda, E27  
 Sheridan, Michael J., 675  
 Shi, Xin, 651  
 Shibayama, Yuro, 572  
 Shieh, Charles, 1269  
 Shifflette, Vanessa K., 1144  
 Shigekawa, Yoshinobu, 174  
 Shih, Ying-Ling, 59  
 Shimada, Ko, E82  
 Shimizu, Tetsunosuke, 539, 572  
 Shin, Susanna, 426  
 Shiozaki, Hitoshi, 1515  
 Shiozawa, Mikio, E107  
 Shipp, John I., 1025  
 Shirak, Michelle, 566  
 Shmueli, Einat, 1102  
 Shoja, Mohammadali M., 566  
 Short, Scott S., 1309  
 Shou, Nan-Hai, 281  
 Shude, Cui, 1467  
 Shupp, Jeffrey W., 1656  
 Shyr, Yu, 612  
 Siauve, Nathalie, 1  
 Sideris, Lucas, 233  
 Sidhu, Ramandeep, 193  
 Siegel, Brian K., 1183, 1201  
 Silapaswan, Sumet, E306, 981  
 Siller Aguirre, Alberto Jerónimo, E41  
 Silva, Luciana C., 1661  
 Silverblatt, Fredric, 345  
 Simmons, Jon D., 185, 1521  
 Simon, Todd E., 1665  
 Simone, Mauro, 552  
 Simons, Clark J., 451  
 Simurina, Tatjana, 512  
 Sing, Ronald F., 273, 304  
 Singh, Neeraj, 351  
 Singh, Usha, E267  
 Sinha, Raina, 253  
 Skandalakis, Lee J., 1147

Skandalakis, Panayiotis, 151, 1717  
 Skerker, Robert S., 1183, 1201  
 Sleilaty, Ghassan, 1624  
 Smith, Brian R., 1386  
 Smith, Clyde W., 1330  
 Smith, Dane E., 878, 1054  
 Smith, Howard G., 856  
 Smith, J. Michael, 942  
 Smith, Jason W., 1038  
 Smith, Jennifer, 1334  
 Smith, Philip W., 998  
 Smith, R. Stephen, E72, 78  
 Smith, Valerie A., 937  
 Smyrniotis, Vassileios, 1271  
 Snyder, Christopher W., 971  
 Snyder, Jonathan, 443  
 Snyder, Rebecca, 380  
 Sochaki, Paula, 1449  
 Sofat, Sujata, E168  
 Sokolowska-Wojdylo, 1644  
 Malgorzata,  
 Solis, Maurice M., 608  
 Soliveres, Edelmira, E244  
 Somasundar, Ponnandai, 1526  
 Song, Tae-Jin, 401  
 Song, Xie, 281  
 Sook, Cynthia, 783  
 Soresi, Maurizio, 1490  
 Sotiropoulos, Georgios C., 1695  
 Soto-Pérez-de-Celis, Enrique, 239  
 Sozanski, Jesse, 1715  
 Sperry, Jason, 169  
 Spielberg, Jan, E50  
 Sprouse II, L. Richard, 1606  
 Srour, Marissa, 1342  
 St. John, Wendy, 451  
 Stabile, Bruce E., 1286  
 Stafford, Renae E., 960  
 Staley, Charles A., 965  
 Stamatakis, Michael, E1, 447  
 Stamatiou, Dimitrios, 1147  
 Stamos, Michael J., 1300, 1372, 1390, 1403  
 Stamou, Konstantinos M., 122  
 Stanley, J. Daniel, E162, 883  
 Stapfer, Maria, E27  
 Stark, Rebecca, 1420  
 Stassen, Nicole A., E294  
 Stavas, Joseph M., 1086  
 Stavicki, Stanislaw P. A., 1003  
 Stefanidis, Dimitrios, 73, 948  
 Stehly, Christy, 1066  
 Steinberg, Ashley, 566  
 Stephens, Daniel J., 270  
 Stephenson, James, 1669  
 Sterling, Mark J., E186  
 Stewart, Erika, R.N., 373  
 Stitzenberg, Karyn B., 1086  
 Stojadinovic, Alexander, 221  
 Stolyarov, Yana, 653  
 Stombaugh, Heather A., E74, 193, 799  
 Stombaugh, Heather, E59  
 Stone, H. Harlan, 1054  
 Streck, Christian, 249  
 Street, James H., III, 166  
 Strohmenger, Ulrich, 1107  
 Stromberg, Arnold J., 188, 992, 1009  
 Stucky, Thomas D., 451  
 Su, Fengxi, 1700  
 Subhas, Gokulakrishna, 902, 981  
 Subhedar, Preeti D., 965  
 Subramaniam, Sampath, E76  
 Sugiyama, Gainsuke, E15  
 Suh, Sung Ock, 401  
 Sumer, Fatih, 694  
 Sun, Ding-Ping, 422  
 Sun, John H., 109  
 Sun, Li-Chu, 59  
 Sun, Qiang, 1531  
 Sung, Gi Young, E87  
 Superdock, Keith, 1269

Suto, Toshinaga, E91  
 Suzuki, Noriyuki, 1276  
 Sweeting, Raeshell S., 850  
 Szabunio, Margaret, E10

## T

Taback, Bret, E115  
 Tabé, Yuichi, 242  
 Tabrizi, Robert, 180  
 Tache Leon, Carlos A., 862  
 Tagarakis, Georgios, E55  
 Tahara, Yoshio, 1276  
 Taheri, Ali, E232  
 Takahashi, Atsushi, 242  
 Takahashi, Takao, E57  
 Takehara, Megumi, E107  
 Takeshita, Atsushi, 572  
 Takeyama, Yoshifumi, 1515  
 Takifuji, Katsunari, 174, 602  
 Talving, Peep, 311, 621, 702, 1176, 1334  
 Tamai, Hideyuki, 174  
 Tamayo Rodríguez, M<sup>a</sup>, 115  
 Encarnación,  
 Tan, Vicki H., 1330  
 Tanaka, Kaori, E13  
 Tanaka, Ken A., 1188  
 Tanchajja, Supoj, E15  
 Tanemura, Hiromi, E13  
 Tang, Wen-Hao, 651  
 Tanigawa, Nobuhiko, 539, 572  
 Tannoury, Jenny, 1624  
 Tapper, Elliot B., 1188  
 Tarnasky, Paul, 545  
 Tartaglia, Francesco, E45  
 Tatebe, Shigeru, 1274  
 Taylor, Spence M., 1054  
 Testerman, George M., E85, 716, 1106, 1714  
 Thatigotla, Bala, E98, E133  
 Thekkumel, Joby J., 103  
 Theodoropoulos, John, 207  
 Theruvath, Tom P., 373  
 Thomas, Bradley W., 998  
 Thomas, Christopher C., E220  
 Thomasson, Joseph, 883  
 Thompson, Jon S., 1589  
 Thompson, Laura, 1669  
 Tillou, Areti, 1314  
 Titze, Jill, E164  
 Todd Heniford, B., 1025  
 Toevs, Christine, 78  
 Tokgöz, Özlem, 648  
 Tokumaru, Yoshihisa, E269  
 Tolan, Amy M., 1286, 1322  
 Tolga Güler, Ömer, E195  
 Tomashefski, Joseph F., Jr., 364  
 Toronto, Jason D., E287  
 Torrelli, Francesco, 1100  
 Toschlog, Eric A., 119  
 Towigh, Shirin, 1412  
 Toyoda, Hiroshi, 1276  
 Tran, Tu, 1349  
 Tran, Tuan, 1349  
 Trankiem, Christine T., 166  
 Trenta, Patrizia, E248  
 Triantafyllou, Konstantinos, E301  
 Trocha, Steven D., 198  
 Trocha, Steven, 1669  
 Trofimov, Igor, 93  
 Trombold, John M., 1138  
 Trooskin, Stanley Z., 1472  
 Troupis, George, 151  
 Troupis, Theodore G., 151, 1717  
 Truitt, Michael S., 19, 1144  
 Trunkey, Donald, 22  
 Tsakotos, George, 1717  
 Tsamis, Dimitrios, E7

Tsiamis, Achilles, 761  
 Tsiftis, Katerina, 761  
 Tsilimingas, Nikolaos, E55  
 Tsiotou, Adelaïs G., E34  
 Tsriline, Victor B., 888, 1025  
 Tsuji, Takeshi, 602  
 Tsutsumi, Soichi, E91, 242, 690  
 Tu, Bing, 348  
 Tubbs, R. Shane, 566, 586  
 Tucker, James J., 1014  
 Turner, Anita, 1692  
 Turner, Jacquelyn, E154, E164  
 Turner, Patricia L., 458, 510  
 Turrentine, Florence E., 1131  
 Tuzi, Alessandro, E248  
 Twohig, Michael, 337  
 Tympa, Alik, 1271

## U

Ünsal Malas, Fevziye, 248  
 Uchida, Nobuyuki, E91, 690  
 Uchiyama, Kazuhisa, 174  
 Udigiri, Navalkishor, 898  
 Uecker, John M., 342  
 Uen, Yih-Huei, 422  
 Ueno, Masaki, 174  
 Umobong, Etieno U., 1559  
 Umoh, Nsikap J., E210  
 Underwood, Samantha J., 1685  
 Urbano, Jose, 868  
 Urist, Marshall M., 10  
 Uyesugi, Kristine, E140  
 Uyğur, Dilek, E195  
 Uyğur, Mehmet Cemil, 1265  
 Uzoigwe, Chika, Edward, 791  
 Uzoigwe, Chika, E103

## V

Vahl, Christian F., E50  
 Vaid, Sachin, 814  
 Vailati, Alberto, 1553  
 Vajrnt, Duane, 1330  
 Valabrega, Stefano, E105, 409  
 Valdota, Alessandr, 868  
 Valentina, Territo, 386  
 Valero, Graciela, 1264  
 Valle, Mario, E37  
 Vanderwalde, Lindi H., 180, 1361  
 Vandromme, Marianne J., 155  
 Varadarajulu, Shyam, 1650  
 Varela, Esteban, 1510  
 Varner, Louis, 128  
 Vasic, Dragan, E19  
 Vaslef, Steven, 471  
 Vattipally, Vikram R., E124  
 Vattipally, Vikram, E98, E133  
 Veith, Frank J., 366  
 Velazquez-Ramirez, Gabriela, 844  
 Venulapalli, Pratiba, 286  
 Venardos, Neil, E152  
 Venegas, Rose, 1358  
 Verduyck, Gary A., 1043  
 Vemadakis, Spiridon, 1695  
 Vertegel, Alexey, 1025  
 Vicentine, Fernando P. P., 1661  
 Vick, Catherine C., 971  
 Vidakovic, Brani, 747  
 Vierling, Abbey M., 188  
 Vieux, Ulrich, 1502  
 Vir, ilio, Edoardo, 38, E226  
 Virk, Mandeep, 337  
 Vitolianos, Nicolaos, E50  
 Vlasos, Konstantinos, 151  
 Vo, Thomas, 1386

von der Embse, Kendra, 273  
 Von, Stephen, 1054  
 Von, Stephen J., 878  
 Vornehm, Nicholas D., E150  
 Voros, Dionysios, E17  
 Vouloumanou, Evridiki K., 1206  
 Vranes, Milica, E19  
 Vrees, Matthew, 1460

## W

Wagman, Lawrence D., E272  
 Wahl, Georgia, 201  
 Waibel, Brett H., 119, 1032  
 Wakabayashi, Mark, 1381  
 Wakatsuki, Toshiro, 1274  
 Walker, Mark L., 579  
 Wallack, Marc K., 270  
 Wallet, Joshua, 814  
 Wan, Yuan-Lian, 1445  
 Wang, Hee-Jung, 697  
 Wang, Jaw-Yuan, 59  
 Wang, Jian, 1531  
 Wang, Jianrui, 70  
 Wang, Jiayong, 1531  
 Wang, Jinshen, 1531  
 Wang, Nan, 88  
 Wang, Tao, 70  
 Wang, Wen-Ching, 422  
 Wang, Wenhua, 1531  
 Wang, Weu, 307  
 Wang, William N., 270  
 Wang, Ya-Nan, 1546  
 Wang, Yu-Chun, 466, 803  
 Warshaw, Andrew L., 1267  
 Watch, Libby, E172  
 Watters, Amber N., 364  
 Waymire, Michelle, 451  
 Wayne, Erik J., 1117  
 Weatherford, David, 1091  
 Webb, Keith M., 1273  
 Wei, Bo, 70  
 Wei, Po-Li, 307  
 Weidner, Bryan C., 1161  
 Weinberg, Jordan A., 155  
 Weiner, Timothy M., E250  
 Weinstein, Michael S., 1096  
 Weireter, Leonard J., 426  
 Weitz, Jürgen, E199, 236  
 Wen, Zhi, Li, E254  
 Wen, Kuo-Chang, 422  
 Wen, Kuo-Shan, 422  
 Wente, Moritz N., 118  
 Werner, Jens, 236  
 West, Michael, 716  
 Westhuizen, Lionel van der, 878  
 Wheatley, Grayson H., E47  
 Wheeler, Grace, 1669  
 Whelan, James, 826  
 White, Michael A., 1032, 1070  
 White, Rodney, 1399  
 Wiatrek, Rebecca, 1281  
 Wigle, Richard, 1712  
 Wiles, Charles E., 655  
 Wilhelm, Markus J., E182  
 Wilhelmson, Krista L., 640, 720  
 Wilkinson, Brent J., 878  
 Wilkinson, Neal, E65  
 Williams, Judson B., 907, 1438  
 Wind, Philippe, 1  
 Wolfe, Luke, 826, 1576  
 Womac, Daniel J., E304  
 Wong, Linda L., 1194  
 Worley, Mitchell, 1669  
 Wormser, Gary P., 345  
 Wray, Trenton, 783  
 Wu, Zhang, Ya, 1584  
 Wu, Chao-I, E285  
 Wu, Chih-Hsiung, 307

Wu, Deng-Chyang, 59  
 Wu, Hsu-Fu, E296  
 Wu, Shih-Chi, 466  
 Wu, Xiayi, 1700  
 Wulkan, Mark L., 961  
 Wynn, Julie L., 534  
 Wyrzykowski, Amy D., 1043

**X**

Xanthos, Theodore, 1717  
 Xiaofeng, Liu, 1467  
 Xin, Chen, 627  
 Xu, Ke-Sen, 281  
 Xu, Kesen, 1531  
 Xu, Xiao Dong, 1584

**Y**

Yaghoubian, Arezou, 1322, 1346  
 Yajima, Reina, E91, 242, 690

Yalcin, Selim, E9  
 Yamada, Makoto, E13  
 Yamaguchi, Kazuya, E57  
 Yamaguchi, Satoru, E91, 690  
 Yamauchi, Hayato, E91  
 Yamaue, Hiroki, 174, 602  
 Yanagawa, Franz, 1014  
 Yancey, Andrea E., E224, E238, 1117  
 Yang, Hua, 1700  
 Yang, Yin-Long, 656  
 Yasuda, Takushi, 1515  
 Yasuda, Yoshikazu, E107  
 Yasufuku, Itaru, E269  
 Yates, Christine L., 72  
 Yawata, Kazunori, E13  
 Yeh, Chun-Chieh, 803  
 Yeh, Hsien-Tang, 1095  
 Yelon, Jay A., 345  
 Yen, Ko-Li, 307  
 Yeo, Charles J., 123, E229, 488, 649, 658, 662, 801, 1112, 1423, 1574  
 Yesilkaya, Yakup, E208, 234  
 Yin, Susan Shichen, 790  
 Yitzhak, Avi, E43  
 Ylönen, Kari, 1222  
 Yoshida, Kazuhiro, E57, E269

Yoshino, Miyuki, E129  
 You, Cheng-Zhong, 651  
 You, Hai-bo, 348  
 Young Cho, Ju, 376  
 Young Choi, Yoon, 376  
 Young, Jeffrey S., 370  
 Youssef, Asser M., 1712  
 Yu, Hai-Tao, 1546  
 Yu, Jiang, 1546  
 Yuan, Yujie, E166  
 Yuming, Li, 1467

**Z**

Zaghiyan, Karen, 1295  
 Zagouri, Flora, E7  
 Zebley, Mark D., E260  
 Zeidan, Shadi, E212  
 Zelada Getty, Jorge L., 653  
 Zelickson, Marc S., 1054  
 Zeng, Yunjie, 1700  
 Zerón-Medina, Jorge, 112  
 Zerey, Marc, 667  
 Zervos, Emmanuel E., 1032, 1070

Zhan, Han-Xiang, 1445  
 Zhang, Ce, 1546  
 Zhang, Linda, 790  
 Zhang, Ling Yi, 1584  
 Zhang, Tai-Ping, 1445  
 Zhang, Xiao-Hua, 656  
 Zhang, Ya-Nan, 651  
 Zhang, You Cheng, 1584  
 Zhang, Zhidong, 1593  
 Zhao, Jian-Xun, 1445  
 Zhao, Qun, 1593  
 Zhao, Wann, 1531  
 Zhao, Yu-Pei, 1445  
 Zheng-rong, Lian, 627  
 Zheng, Zhi, E222, 1098  
 Zhu, Yong-Jun, 1477  
 Zink, Karen A., 438  
 Ziparo, Vincenzo, 38  
 Zitt, Mathias, E62  
 Zografos, George C., E7  
 Zollinger, Robert M., 1428  
 Zong, Kai-can, 348  
 Zonta, Sandro, 1553  
 Zoras, Odysseas, 1147  
 Zuo-jin, Liu, 627  
 Zuo, Guo-Qing, 1496  
 Zutshi, Massarat, 1613

## SUBJECT INDEX

## A

- Abdomen**  
 cysts of, congenital absence of hepatic segment IV-V in, E175  
 decompression of  
   alternatives to, S51  
   open, in elderly, 856  
 drainage of after liver resection, 539  
 early definitive closure of after damage control surgery, E74  
 hemostatic factors in surgical patients, 1188  
 open  
   for abdominal compartment syndrome, S51  
   for abdominal compartment syndrome and intra-abdominal hypertension, S42  
   closure of, S58  
 pain  
   iron deficiency anemia and, 127  
   recurrent in Chilaiditi's syndrome, 386  
   unusual presentation of, 648  
 temporary closure of, 113  
   in elderly, 856  
   techniques for, S46
- Abdominal aortic repair, open vs. endovascular, 1395**
- Abdominal catastrophes, in obstetric patient, E278**
- Abdominal cavity, nonfatal perineal impalement injury traversing, E232**
- Abdominal cocoon, E24**
- Abdominal compartment syndrome**  
 alternatives to abdominal decompression for, S51  
 in children, S72  
 Fifth World Congress on, abstracts presented at, S88  
 intra-abdominal hypertension and, S1  
   definitions and pathophysiology of, S6  
   long-term outcome of, S78  
   in medical patients, S67  
   nonoperative management of, S34  
   in nontrauma surgical patients, S62  
   resuscitation in, S31  
   at risk populations for, S12  
   surgical management of, S42  
   open abdomen closure in, S58  
   temporary abdominal closure for, S46
- Abdominal wall**  
 abscess of in sigmoid cancer, E226  
 disruption of, in motor vehicle collision, 534  
 primary anterior leiomyoma of, E208  
 reconstruction methods for, mechanical failure of, E287  
 repair of defects in, 144
- Abdominoperineal resection**  
 end colostomy prolapse after, E218  
 for rectal cancer, 658
- Ablative therapy, for hepatocellular carcinoma, 207**
- Abscess, computed tomography to detect, 166**
- Academic medical centers, laparoscopy in colorectal surgery in, 1300**
- Achalasia**  
 end-stage, esophagectomy for, 330  
 with extreme megaesophagus, treatment of, 362
- Acid ingestion, late complication of, 369**
- Acquired immunodeficiency syndrome, appendectomy outcomes in, 1372**
- Acute abdomen, epiploic appendagitis in, E197**
- Acute care surgery model, reducing hospital stay, 1318**
- Adenocarcinoma**  
 ampullary, pattern analysis of lymph node metastasis for, 322  
 cecal, umbilical hernial sac metastasis from, E124  
 of colon, gastrocolic fistula secondary to, E13  
 extrarectal colonic, after pull-through for imperforate anus, 1273  
 gallbladder, with extended intramural spread, E87  
 gastric, staging of, 1326  
 metastatic from diverticulum, 109
- Adenomyomatosis, gallbladder, E87**
- Adhesiolysis, intentional progressive preoperative pneumoperitoneum for, E193**
- Adnexal torsion, late diagnosis of, E195**
- Adrenal gland**  
 lipoma of, 1265  
 schwannomas of, E89
- Adrenalectomy**  
 laparoscopic, 592  
   perioperative outcomes of, 592  
   minimally invasive, transperitoneal vs. retroperitoneal approaches in, 409
- After-hours surgery, in elderly, 1021**
- Agnew Clinic, listerian revolution and, E229**
- Agranulocytosis, methimazole-induced, 1561**
- Airway obstruction, preoperative multidisciplinary management of, E91**
- Alcohol ingestion**  
 in delirium in trauma patients, 621  
 lactate predicting mortality in, 1576  
 moped crashes related to, 304
- Alimentary canal reconstruction, outcomes of, 1593**
- Alpha-1-antitrypsin deficiency, type A aortic dissection with, E136**
- Alvimopan, in postcolectomy return of bowel function, 1460**
- American Civil War, morbidity and mortality in (letter), 1563**
- Ampulla of Vater, injury of, E1**
- Ampullary adenocarcinoma, pattern analysis of lymph node metastasis for, 322**
- Ampullary intestinal-type carcinoma, with duodenal signet-ring cell carcinoma, E262**
- Amputation, with delayed treatment of popliteal artery injuries, 1521**
- Anastomosis**  
 combined side-to-end, with temporary end colostomy, 447  
 ileal J-pouch anal, 929  
 intestinal, factors in outcome of, 1169  
 intestinal obstruction from, 651
- Anastomosis, modified double tracks, in proximal gastrectomy, 1593**
- Anesthesia**  
 local, transinguinal preperitoneal patch under, 1681  
 regional block, for mastectomy, 1692  
 time and cost of with vs. without laryngeal nerve monitoring, E158
- Angiogenesis inhibitors, in early-onset coronary artery disease, 731**
- Anterolateral approach, for improved accessibility in giant mass lung cancer pneumonectomy, 79**
- Anti-adhesion barriers, in national bowel obstruction rate, 773**
- Antibiotics, efficacy of in mild appendicitis, 752**
- Antimicrobial therapy, for improved pancreas transplant outcomes, 1407**
- Antisepsis, before Lister, 1138**
- Antiviral therapy, for cirrhosis with hepatitis C virus, 174**
- Anus**  
 abscess of, CT detection of, 166  
 fistula of, adjustable cutting seton with fistulotomy for, 1377  
 perforation and catheter expulsion through, 1264  
 remote pull-through for, 1273
- Aortic aneurysms, ruptured, endovascular repairs and, 1395**
- Aortic arch manipulations, predictability of cerebral embolization from, 1399**
- Aortic dissection**  
 acute Type A, operative risk with, 88  
 type A, with alpha-1-antitrypsin deficiency, E136
- Aortic root surgery, operative risk with, 88**
- Aortic surgery, surgical sealants during, E47**
- Aortocolonic fistula, surgical approach to, 804**
- Appendagitis, epiploic, 653, E197**
- Appendectomy**  
 in breast cancer patients, 382  
 intraoperative irrigation and postoperative abscess with, 78
- laparoscopic**  
 appendix diameter predicting infection after, 307  
 intraoperative irrigation and postoperative abscess with, 78  
 vs. open, 466, 1372  
 outcomes of, 466  
 single-incision (SILS), 286  
 prompt emergency, 898  
 single-incision laparoscopic (SILS), 286  
 single-site laparoscopic vs. traditional in children, 961  
 transumbilical laparoscopic-assisted, 557
- Appendicitis**  
 appendiceal lymphoma presenting as, E87  
 in children, CT for, 1061  
 CT scans for, 1502  
   in obese vs. thin patients, 471  
 emergency care for, 898  
 goblet cell carcinoid tumor causing, E15  
 granulomatous stump, E172  
 laparoscopic and open appendectomy for, 1372  
 mercury ingestion in, 795  
 ruptured, in left sided spigelian hernia, E294  
 severity and treatment differences in border community hospital, E152  
 short-term antibiotics for, 752  
 subhepatic, E258  
 synchronous with umbilical hernial sac metastasis, E124  
 unusual presentation of, E206

## Appendix

- diameter of as postoperative wound predictor, 307
- granular cell tumor in orifice of, E39
- lymphoma of presenting as acute appendicitis, E87
- sequestering ingested mercury, 795
- typhilitis of presenting as acute appendicitis, 231

*Arcanobacterium haemolyticum* infection, after rectal polyp excision, 791

## Arteries

- bleeding after pelvic fractures, 1176
- lactate levels of in elderly trauma patients, 1337
- temporal biopsy of, 1158
- Arteriovenous malformation, occult pulmonary, in acute mesenteric ischemia and postoperative respiratory failure, 1096
- Ascites, malignant, peritoneovenous shunting for, 1070
- Atrial arrhythmias, incidence, risk factors, and outcomes for in trauma patients, 634
- Axillary aneurysm, bilateral isolated, E19

## B

- Babesiosis, in fever in splenectomy patients, 345
- Back-over trauma, pediatric, death from, 1420
- Ball-valve phenomenon, in direct cardiac invasion of hepatocellular carcinoma (letter), 512
- Barber-surgeons, Louis XIV and, 1559
- Bariatric surgery
  - resident training in, 1094
  - statin therapy in, 44
  - venous thromboembolism in, 1403
- Base deficit
  - in elderly trauma patients, 1337
  - as mortality predictor in trauma, 1576
- Battery ingestion, right hemicolectomy for, E103
- Bayesian Belief Network Model, for colon carcinomatosis prognosis, 221
- Bile duct
  - cancer of, postoperative prognostic factors for, 1445
  - injured during cholecystectomy, 1330
  - major laparoscopic injury of, 1584
  - two-port laparoscopic exploration of, 422
- Bile spillage, clinical implication of, 697
- Biliary cystadenoma, review of literature on, 505
- Biliary duct cyst, intrahepatic, gallbladder agenesis with, E202
- Biliary obstruction, during cholecystectomy, 985
- Bilroth II technique, alternative to, 798
- Biloma, subcapsular, after laparoscopic cholecystectomy, E131
- Biopsy
  - excisional, after large bore vacuum-assisted core needle biopsy, 1358
  - excisional vs. large bore vacuum-assisted core needle, 1358
  - shave, in managing thin melanoma, 1050
- Birthmark, radium implant treatment of, 372
- Bismuth-Corlette classification, of Klatskin tumors, 1695
- Bladder stone removal, Pietro Loreta's contributions to, 290
- Blood alcohol concentration, traumatic brain injury outcome and, 1416
- Blood stream, central line-associated infection in, 1038
- Blood transfusion, in pancreaticoduodenectomy, 81
- Blunt trauma
  - to breast, 1066
  - complete pancreatic transection in children from, 612
  - identifying small diaphragmatic injuries after, 55
  - splenic, management of, 215
  - spontaneous splenic rupture in, E85
  - vertebral artery injury after without cervical or neurologic injuries, E72
- Body mass index
  - computed tomography for appendicitis and, 471
  - trauma outcome and, 1003
- Bovie, William T., 1574
- Bowel. *See also* Colon; Small bowel
  - endometriosis of in rectal bleeding, 239
  - obstruction of
    - from anastomosis made by circular stapling device, 651
    - anti-adhesion barriers and rate of, 773
    - by bread clip, E177
    - double gallstone ileus in, E265
    - rare cause of, E24
  - postcolectomy return of function in, 1460
- Brain, traumatic injury of
  - blood alcohol concentration and outcome of, 1416
  - ethanol intoxication in outcome of (letter), 665
  - incidence of in Tehran, E112
  - liver cirrhosis and, 311

## Breast

- blunt trauma to, 1066
- ductal carcinoma in situ and hyperplasia of in man, 1272
- intraductal carcinoma of, with intracystic papillary carcinoma, E267
- lesions of with Mazabraud or McCune-Albright syndrome, E7
- MRI of after bilateral mastectomy, 180
- nonpalpable calcifications of, intraoperative localization of, 1467
- recurrent invasive ductal carcinoma of, E107
- Salmonella typhi* abscess of, E133
- tumors of, pathologic and radiologic size of, 1361
- wire-guided, intraoperative ultrasound with operations on, 640
- Breast cancer
  - bilateral synchronous in male, E140
  - breast reconstruction after in elderly, 1640
  - breath analysis in detecting, 747
  - cavity margin status as risk factor for recurrence of, 1700
  - clinical and pathological characteristics in, 382
  - decreasing re-excision lumpectomy rate for, 720
  - estrogen receptor-negative, oral contraceptives and, E33
  - estrogen receptor-positive, assay of, 1364
  - geography and racial disparity in, 933
  - intraoperative assessment of, 342
  - invasive lobular, preoperative MRI of, 1368
  - ipsilateral, with Poland's syndrome, 234
  - local recurrence rates in, 850
  - locally advanced in young women, 850
  - lymph node status in, 874
  - in men, E267
  - nerve entrapment after lymphedema treatment in, 248
  - triple negative, neoadjuvant chemotherapy in, 895
- Breast-conserving surgery
  - cancer recurrence after, 1700
  - in young women with locally advanced breast cancer, 850
- Breast reconstruction
  - alternative technique for, 756
  - in elderly, 1640
  - radiation and outcomes of, 1349
- Breath analysis, by mass spectrometry, 747
- Bronchoalveolar lavage, for ventilator-associated pneumonia, 297
- Bronchopulmonary carcinoids, long-term survival predictors in, 1669
- Brunneroma, laparoscopic excision of, E37
- Budd-Chiari syndrome, removal of large hepatic neuroendocrine tumor causing, E27

## C

- Calf abscess, spontaneous intermuscular, E306
- Cancer staging, D2 lymph node dissection in, 1326
- Carcinoma
  - hepatocellular, 207, 512, 572, 868, 1490, 1496
  - inconsistent management of, 207
  - metastatic colon, 246
  - in multinodal goiter, 1553
  - renal cell, delayed solitary metastatic, E53
- Carcinomatosis, peritoneal colorectal, survival in, 602
- Carcinosarcoma, of esophagus, PET scan and, 128
- Cardiac assist device, fatal cytomegalovirus pneumonitis and ileitis with, E182
- Cardiac support, surgical procedures for, 1314
- Cardiopulmonary arrest
  - with GI perforation, emergency surgery and intensive care for, 1276
  - in radiology department, 273
- Cardiopulmonary monitoring, in intra-abdominal hypertension, S23
- Cardiopulmonary resuscitation, guidelines for, 498
- Career choice, protected research time and, 907
- Carotid artery
  - lingual and facial arteries arising from, 151
  - stenosis of
    - external, E238
    - recurrent, 1117
    - stenting of, 1117
    - suicidal transection of, E50
- Case volume, work hour limitations and, 1675
- Catheter, perforation and expulsion of through anus, 1264
- Cauterization, evolution of, 1574
- Cavity margin status, in breast cancer risk, 1700
- Cecum
  - adenocarcinoma of, umbilical hernial sac metastasis from, E124
  - floppy, E188
- Celiac artery aneurysm, symptomatic, E98
- Central line
  - in blood stream infection, 1038

- concerns for risks of, 1104
- Cerebral embolization, from aortic arch manipulations, 1399
- Cervical neck dissection, without drains, 1624
- Cervical soft tissue, late recurrence of Hürthle cell carcinoma in, E236
- Cervical spinal cord injury, in near-drowning, 426
- Chemoradiation, complications and pathologic complete response after, 1281
- Chemotherapy
- breast conservation after, 850
  - for hepatocellular carcinoma, 207
  - for neuroendocrine cancer, surgery after, 1102
  - in triple negative breast cancer, 895
- Chest wall reconstruction, with porcine acellular dermal matrix, E115
- Chest X-ray, for pneumothorax, 480
- Chilaiditi's syndrome
- recurrent abdominal pain in, 386
  - transverse colon volvulus and, E244
- Children
- abdominal compartment syndrome in, S72
  - back-over trauma in, mortality from, 1420
  - complete pancreatic transection in, 612
  - CT for appendicitis in, 1061
  - early-onset coronary artery disease in, 731
  - intrapericardial diaphragmatic hernia after pacemaker placement in, E250
  - penetrating injuries in, sources of, 1076
  - single-site vs. traditional laparoscopic appendectomy in, 961
  - splenic trauma with hereditary spherocytosis in, E22
  - traumatic duodenal hematoma with percutaneous drainage in, E220
  - traumatic sigmoid degloving in, 509
- Cholangiocarcinoma
- extrahepatic, preoperative hepatic artery embolization in, E269
  - hilar
    - long-term survival after vascular resection for, E82
    - resection and drainage of, 627  - in HIV-positive patients, E105
  - resection and drainage of, 627
- Cholecystectomy
- biliary obstruction during, 985
  - cystoid gossypiboma of liver after, E17
  - gossypiboma after, E94
  - laparoscopic
    - for acute gangrenous cholecystitis, 401, 407
    - bile spillage in, 697
    - dilated cystic duct stump after, E67
    - in elderly, 1014
    - Endoclip migration in, E216
    - managing outcome of, 1584
    - prolonged, 981
    - subcapsular bioma after, E131
    - single incision laparoscopic, 916
    - vascular and bile duct injury during, 1330
- Cholecystitis
- acute care surgery model for, 1318
  - acute gangrenous, laparoscopic cholecystectomy for, 401, 407
  - acute perforated, ventral hernia repair in, 510
- Cholecystocutaneous fistula, management of, E285
- Choledochoduodenal fistula, diagnosis and management of, 348
- Choledocholithiasis, T-tube choledochostomy in management of, 422
- Choledocholithotomy, laparoscopic reoperative, in elderly patients, 1095
- Chylous ascites, from traumatic injury, 507
- Circular stapling device, intestinal obstruction from, 651
- Cirrhosis
- cost-effective management of variceal bleeding in, 169
  - with hepatitis C virus, laparoscopic splenectomy for, 174
  - minor hepatic resection for hepatocellular carcinoma in, 1490
  - traumatic brain injury and, 311
- Civil War, antiseptic and gangrene therapy in, 1138
- Clark, William L., 1574
- Climate change, severe frostbite and (letter), 1712
- Clostridium difficile* colitis, fulminant, fatality predictors after colectomy for, 977
- Clostridium difficile* pouchitis, after ileal pouch-anal anastomosis, E214
- Clostridium septicum* myonecrosis, E101
- Colectomy
- complications causing readmission after, 65
  - disease condition indicating, 527
  - fatal outcome predictors after, 977
  - laparoscopic right, return of bowel function in, 1460
  - total abdominal, short-term outcomes of, 1613
- Colitis, fulminant, fatality predictors after colectomy for, 977
- College of Surgeons, Louis XIV and, 1559
- Colon
- acute angulation of, E186
  - adenocarcinoma of, gastrocolic fistula secondary to, E13
  - cancer of
    - laparoscopic right hemicolectomy for, 1546
    - oxaliplatin-induced immune thrombocytopenia with, E9  - carcinoma metastatic to gallbladder and common hepatic duct, 246
  - carcinomatosis of, predictive model for, 221
  - extrarectal adenocarcinoma of, 1273
  - left-sided emergencies, management of, 447
  - leiomyosarcoma of, E62
  - obstruction of from fecalith, 364
  - perforation of after stenting, E186
  - traumatic injury of, management and outcomes of, 1685
- Colonic pseudo-obstruction, with distinct transitional zone in constipation patients, 736
- Colorectal anastomotic leak, stoma closure before healing of, 1619
- Colorectal cancer
- FOLFOX treatment of, E272
  - Krukenberg tumors from, 1381
  - lymph nodes ratio and survival in, 602
  - metachronous liver metastases in, 1515
  - surgery for in elderly, 1454
- Colorectal carcinoma, sporadic, 18q LOH in, 38
- Colorectal surgery
- deep vein thrombosis prophylaxis and surgical site infection in, 1309
  - high-dose perioperative steroids in, 1295
  - laparoscopic, 527, 1300
  - vs. open, surgical site infection after, 1290
- Colostomy, temporary end, with combined side-to-end anastomosis, 447
- Community-based programs, work hour limitations and case volume in, 1675
- Compartment syndrome of hand, perioperative, 116
- Component separation technique
- for early definitive closure of abdomen, E74
  - for hernia repair, 839
- Computed tomography
- 64-slice, accuracy of, 1176
  - for acute appendicitis, 1502
  - for appendicitis in obese vs. thin patients, 471
  - in children with appendicitis, 1061
  - costs of in trauma setting, 337
  - to detect perirectal abscess, 166
  - detecting shoulder fractures, 1183
  - for gallbladder volvulus, E298
  - for missed diaphragmatic injuries, 55
  - for pneumothorax, 480
  - for retroperitoneal lymphedema, 799
  - for trauma patients, 193
- Conflict of interest, professionalism and, 807
- Congestive heart failure, mechanical cardiac support for, 1314
- Constipation
- colonic pseudo-obstruction in, 736
  - total abdominal colectomy for, 1613
- Contracting process, for surgeons as health system employees, 669
- Contrast-induced nephropathy, in trauma patients, 1194
- Coronal reconstruction, for missed diaphragmatic injuries, 55
- Coronary artery bypass grafts
- prolonged ventilation after, 942
  - surgical skin markers and failure of, 922
- Coronary artery disease, early-onset, after pediatric kidney transplantation, 731
- Corticosteroid insufficiency, critical illness-related in trauma patients, 579
- Cosmetic surgery, racial difference trends in, 1081
- Costal exostoses, spontaneous hemothorax with, E190
- Cricothyroidotomy, follow-up after, 1707
- Critically ill patients, glycemic state and mortality in, 1483
- Crohn's disease
- granulomatous stump appendicitis mimicking, E172
  - with intestinal malrotation, E3
  - parastomal small bowel evisceration in, E150
- Cushing, Harvey, 1574
- Cutaneous melanoma, lymph node metastasis and, 1009
- Cutting setons, adjustable, with fistulotomy, 1377
- Cystadenocarcinoma, primary intrahepatic biliary, E117
- Cystadenoma, biliary, 505
- Cystic duct stump, dilated, in postcholecystectomy syndrome, E67
- Cystic neoplasm, infiltrating pancreatic non-Hodgkin's lymphoma mimicking, E12
- Cystogastrostomy, for left pancreatic trauma, 1
- Cystoid gossypiboma, after cholecystectomy, E17
- Cystotomy, Pietro Loreta's contributions to, 290
- Cytomegalovirus pneumonitis, with cardiac assist devices, E182
- Cytoreduction, selection criteria for, 430

## D

- D2 lymph node dissection, improving gastric adenocarcinoma staging, 1326
- Damage control strategies
  - early definitive closure of abdomen after, E74
  - for full-thickness duodenal lacerations, 681
  - mortality predictions for trauma patients in, 778
- De-escalation of care, quality of consent for, 883
- DEBDOX transarterial chemoembolization, for hepatic metastases, 93
- Debridement, electrosurgical tip cleaner in, E296
- Decision making, for follicular thyroid lesions, 443
- Decompression, for abdominal compartment syndrome and intra-abdominal hypertension, S42
- Decompression/diversion/exclusion (DDE) techniques, for full-thickness duodenal lacerations, 681
- Decompressive laparotomy, for abdominal compartment syndrome and intra-abdominal hypertension, S42
- Deep vein thrombosis, perioperative prophylaxis for, 1309
- Delirium, risk factors for in trauma patients, 621
- Dermal tension reduction suture, complete closure by, E254
- Diabetes
  - pancreatic cancer and glycemic control in, 1032
  - in postoperative pancreatic fistula risk, 257
- Diagnosis, technological aids in, E242
- Diaphragm
  - blunt trauma injuries to, 55
  - hernias of, after pediatric pacemaker placement, E250
  - traumatic rupture of, E85
- Diverticulitis, predicting nonreversal of Hartmann's procedure for, 814
- Diverticulization, for full-thickness duodenal lacerations, 681
- Diverticulum
  - giant sigmoid, 115
  - metastatic adenocarcinoma arising in, 109
- Donor selection, pancreas transplant outcomes and, 1407
- Dressings, for fasciotomy wounds, 1656
- Ductal carcinoma
  - recurrent invasive, presenting as metastasis to duodenum, E107
  - in situ, bilateral mastectomy for, E144
- Duodenal diversion, gastrojejunostomy tube for, 361
- Duodenal diverticulum, in high-grade duodenal obstruction, E138
- Duodenal transit, preserving in gastrojejunostomy, 798
- Duodenum
  - ampullary adenoma of, total gastrectomy and pancreaticoduodenectomy for, 378
  - diversion after traumatic injury to, 361
  - duplication cyst of in recurrent pancreatitis, 1267
  - Endoclip migration into, E216
  - full-thickness lacerations of in damage control era, 681
  - high-grade obstruction of, unusual cause of, E138
  - signet-ring cell carcinoma of, E262
  - traumatic hematoma of, with percutaneous drainage in pediatric patient, E220
- Dynamic tension, for fasciotomy wounds, 1656
- Dyschezia, retrorectal bilobed cyst causing, 499
- Dysphagia, recurrent, operative interventions for, 330

## E

- Ectopic pregnancy, hemorrhagic shock from, 241
- Editorial: surgical leaders, 1111
- Educating Kids about Gun Violence program, 451
- Elderly
  - after-hours surgery in, 1021
  - breast cancer reconstruction in, 1640
  - colorectal cancer surgery in, 1454
  - falls in, 1201
  - gastrectomy safety for, 488
  - infrainguinal revascularization in, 1222
  - kidney transplantation in, 1269
  - laparoscopic cholecystectomy in, safety of, 1014
  - laparoscopic reoperative choledocholithotomy in, 1095
  - laparoscopic vs. open appendectomy in, 466
  - mortality risk stratification in, 1337
  - perforated peptic ulcer disease repair in, 803
  - quality improvement pilot program for, 1305
  - renal insufficiency predicting surgical mortality in, 1322
  - survival benefit of open abdominal decompression in, 856
  - thoracic surgery in, 675
  - trauma treatment for, 1144
- Elective surgery, for recurrent abdominal pain in Chilaiddi's syndrome, 386
- Electrocautery, Bowie, 1574

- Electrosurgical tip cleaner, in skin debridement, E296
- Embolism
  - paradoxical, 244
  - venous, from shotgun injury, E162
- Embolization
  - preoperative
    - common hepatic artery, E269
    - for solitary fibrous tumor of pelvis, 112
  - transarterial
    - with DEBDOX for hepatic metastases, 93
    - for hepatocellular carcinoma, 207
- Emergency procedures, live tissue training vs. simulators, 561
- Emergency room/hospital readmissions, postoperative complications causing, 65
- Emergency surgery
  - for cardiopulmonary arrest with GI perforation, 1276
  - critical assessment of, 951
- En bloc resection, for leiomyosarcoma of inferior cava vein, E121
- End colostomy prolapse, local treatment of, E218
- Endoclip migration, into duodenum, E216
- Endometriosis
  - of bowel, rectal bleeding in, 239
  - with ileocolic intussusception, E129
  - spontaneous umbilical, E246
- Endoscopic microsurgery, transanal, for rectal cancers, 761
- Endoscopic microsurgery, transanal, pelvic sepsis after, E154
- Endoscopic retrograde cholangiopancreatography (ERCP)
  - for biliary obstruction, 985
  - for left pancreatic trauma, 1
- Endoscopy
  - for downstream pancreatic duct stones, 1531
  - for esophagojejunostomy leak, 376
  - for pancreatic fluid collection, 1650
  - techniques for hernia repair, 839
  - for *Trichuris trichiura*, 796
  - in tube thoracostomy placement in super-morbidly obese patient, 119
- Endostatin, in early-onset coronary artery disease, 731
- Endovascular repair
  - for hepatic artery aneurysms, 608
  - ruptured aortic aneurysms and, 1395
  - thoracic, cerebral embolization during, 1399
- Endovascular treatment, for critical limb ischemia, 315
- Enucleation, laparoscopic, for benign gastric pathology, 1390
- Erratum
  - Duodenobronchial fistula arising from a necrotizing liver metastasis of right colon cancer after systemic chemotherapy, 515
  - Recurrent abdominal pain in Chilaiddi's syndrome could represent an indication for elective surgery?, 668
  - Short-term outcomes after unilateral versus complete thyroidectomy for malignancy: a national perspective, 667
  - The University of Washington Department of Surgery: Training Surgeons in the Pacific Northwest, 388
- Escherichia coli* spinal infection, after rectal polyp excision, 791
- Esophageal epiphrenic diverticula, high resolution manometry in, 1661
- Esophagectomy
  - for achalasia with extreme megaesophagus, 362
  - for end-stage achalasia, 330
- Esophagojejunostomy leak, endoscopic treatment of, 376
- Esophagus
  - atresia of, delayed complications after repair of, 251
  - benign tumors of, laparoscopic enucleation or wedge resection for, 1390
  - carcinosarcoma of, PET scan and, 128
  - long-term-lodged foreign body in, E179
  - stricture of, foreign body in, E179
- Ethanol intoxication, in traumatic brain injury outcome (letter), 665
- Ewing sarcoma, retroperitoneal, perforation of, 648
- Excision, of neuroendocrine tumors of rectum, 198
- Extreme weather conditions, severe frostbite and (letter), 1712

## F

- Facial arteries, from external carotid artery, 151
- Falls, height of and patient age in treatment for, 1201
- Familial adenomatous polyposis, attenuated, treatment of gastric polyposis and duodenal ampullary adenoma with, 378
- Famotidine, thrombocytopenia and, 1580
- Fasciotomy wounds, management of, 1656
- Fecality, in colonic obstruction, 364
- Femur, closed midshaft fractures of, 476
- Fever, babesiosis causing, 345
- Fibrin glue injection, after total gastrectomy, 376

Fish visceral retainers, for temporary abdominal coverage, 113  
 Fistulotomy, adjustable cutting seton with, 1377  
 FOLFOLX treatment, interstitial pneumonitis and, E272  
 Follicular thyroid lesions, operative decision making for, 443  
 Fontan circulation, complicated by intraperitoneal hemorrhage, E34  
 Foreign body  
   esophageal, long-term-lodged, E179  
   in intestinal obstruction, E177  
 Fournier's gangrene, severity index score for, E5  
 Fractures  
   femur, closed midshaft, 476  
   pelvic  
     aberrant obturator artery after, E126  
     CT detection of arterial bleeding after, 1176  
     rural center orthopedic traumatologists and outcomes of, 716  
     rib, reducing pain with, 438  
     shoulder, CT detection of, 1183  
 Frey's syndrome, reducing incidence of after parotid surgery, 351  
 Frostbite, extreme weather and (letter), 1712  
 Fundoplication  
   redo, 330  
   transoral incisionless, 1386

## G

Gallbladder  
   adenocarcinoma of with extended intramural spread, E87  
   agenesis of, with intrahepatic biliary duct cyst, E202  
   cancer of, bile spillage and, 697  
   metastatic colon carcinoma to, 246  
   necrotizing volvulus of, E298  
   primary lymphoma of, 360  
 Gallstone ileus  
   after roux-en-y gastric bypass, E210  
   double, in bowel obstruction, E265  
 Gamma camera, semiconductor-based, in hyperparathyroidism surgery, 690  
 Gangrene  
   severity of, E5  
   treatment for before Lister, 1138  
 Gangrenous cholecystitis, acute, laparoscopic cholecystectomy for, 401, 407  
 Gastrectomy  
   laparoscopic sleeve, staple-line leakage and hemorrhage in, 1665  
   modified double tracks anastomosis in, 1593  
   safety of in elderly, 488  
   subtotal, gastrojejunostomy after, 798  
   total  
     fibrin glue injection after, 376  
     for gastric polyposis and duodenal ampullary adenoma, 378  
 Gastric adenocarcinoma, 2 lymph node dissection improving staging of, 1326  
 Gastric antral stenosis, with acid ingestion, 369  
 Gastric banding  
   catheter expulsion after, 1264  
   laparoscopic, in adolescents, 1510  
 Gastric bypass surgery  
   abdominal exploration for internal hernia after, 502  
   gallstone ileus after, E210  
   redo, 330  
   Roux-en-Y  
     gallstone ileus after, E210  
     redo, 330  
     statin therapy in, 44  
 Gastric cancer, liver metastasis after surgery for, 1274  
 Gastric heterotopia, in rectum, 659  
 Gastric mucosa, heterotopic, E204  
 Gastric pathology: benign, laparoscopic enucleation or wedge resection for, 1390  
 Gastric polyposis, total gastrectomy and pancreaticoduodenectomy for, 378  
 Gastrocolic fistula, with adenocarcinoma of colon, E13  
 Gastroesophageal reflux disease (GERD)  
   recurrent, operative interventions for, 330  
   transoral incisionless fundoplication for, 1386  
 Gastrointestinal bleeding  
   activated recombinant factor VIIa and, E59  
   ileocolic artery aneurysm presenting as, E224  
   inferior hemorrhoidal artery pseudoaneurysm presenting as, E252  
 Gastrointestinal tract  
   cancer of  
     postoperative inflammatory modulation in, 59  
     predictors of postoperative complications in, 1286  
   perforation of  
     cardiopulmonary arrest with, 1276

vacuum-assisted closure for, E168  
 stromal tumors of  
   incidental discovery of, E304  
   laparoscopic-endoscopic procedure for, 1100  
   laparoscopic resection of, E147  
   recurrent giant, E184  
 Gastrojejunostomy, alternative technique in, 798  
 Gastrojejunostomy tube, for duodenal diversion, 361  
 Gender-based analysis, of lower extremity bypass outcomes, 844  
 Geriatric education, need for, 826  
 Giant cell arteritis, diagnosis of, 1158  
 Giant cell tumor  
   osteoclast-like, with pulmonary metastases, E275  
   of pancreas, with pulmonary metastases, E275  
 Giant hepatic hemangiomas, surgical treatment of, 48  
 Giant mass lung cancer pneumonectomy, improved accessibility for, 79  
 Giant sigmoid diverticulum, as rare complication, 115  
 Gibbon, John H., Jr., as surgical leader, 115, 1112  
 Gland transection, stapled, pancreatic fistula after, 965  
 Glasgow Coma Score, in trauma assessment, 1576  
 Glasgow Coma Scale 3, rating trauma patient mortality by decade, 1342  
 Glissonean pedicle transection method, for giant hepatic hemangiomas, 48  
 Glomus tumor, nerve invasion of, E274  
 Glutamine-enriched total parenteral nutrition, in postoperative inflammatory modulation, 59  
 Glycemic state  
   in hospital mortality of critically ill patients, 1483  
   pancreatic cancer and, 1032  
 Goblet cell carcinoid tumor, in appendicitis, E15  
 Goiter  
   multinodal, incidental carcinoma in, 1553  
   preoperative multidisciplinary management of airway obstruction by, E91  
   recurrent, neonatal Graves disease and, 380  
 Goldsmith, Middleton, contributions of to antisepsis, 1138  
 Gossypiboma, post cholecystectomy, E94  
 Granular cell tumor, E76  
   of appendiceal orifice, E39  
 Graves disease, neonatal, 380  
 Gross Clinic, listerian revolution and, E229  
 Gun violence, educating youth about, 451  
 Gynecomastia, ductal carcinoma in situ and ductal hyperplasia in, 1272

## H

Hamartomatous polyposis syndromes, differential diagnosis and management of, E301  
 Hand  
   hygiene principles for, 123  
   perioperative compartment syndrome of, 116  
 Hartmann procedure  
   predicting nonreversal of, 814  
   reversal of, 694  
 Head injury, outcomes after, 277  
 Heat coagulative necrosis, versus Kelly clamp crushing resection, 1490  
 Helicobacter pylori, in peptic ulcers requiring operation, 1054  
 Heller myotomy  
   for achalasia with extreme megaesophagus, 362  
   failed, operative interventions for, 330  
 HELLP syndrome, in obstetric patient, E278  
 Hemangiopericytoma, recurrent peritoneal, E65  
 Hemicolectomy  
   for cylindrical battery ingestion, E103  
   laparoscopic right, 1546  
   single-incision transumbilical laparoscopic right, 252  
 Hemodialysis catheter, non-tunneled dual lumen, profuse bleeding after placement of, 232  
 Hemoperitoneum, spontaneous, during pregnancy, E69  
 Hemorrhage  
   gastrointestinal  
     activated recombinant factor VIIa and, E59  
     cost-effective management of, 169  
     hemostatic dressings for, 162  
     idiopathic spontaneous intraperitoneal, after trauma splenectomy, 110  
     from internal jugular vein, 232  
     in laparoscopic sleeve gastrectomy, 1665  
     late postpancreatectomy, stenting for, 236  
     massive transfusion for, 155  
     plasmablastic lymphoma of small bowel in, E142  
     rectal  
       bowel endometriosis causing, 239  
       rate cause of, 659

- Hemorrhagic shock, from ectopic pregnancy, 241  
Hemorrhoidal artery pseudoaneurysm, inferior, presenting as gastrointestinal bleed, E252  
Hemorrhoidopexy, stapled, as day-surgery procedure, 552  
Hemostatic dressings, reducing tourniquet time, 162  
Hemostatic factors, in major abdominal surgical patients, 1188  
Hemothorax, with costal exostoses, E190  
Heparin, perioperative in general surgery patients, 1539  
Hepatectomy, clinicopathological risk factors for recurrence after, 572  
Hepatic aneurysm, review of, 586  
Hepatic arterial therapy, in hepatocellular carcinoma treatment, 868  
Hepatic artery  
    aberrant anatomy of, 517  
    aneurysms of, 608  
    late postpancreatectomy hemorrhage in, 236  
    preoperative embolization of, E269  
Hepatic disease, individualized management of, 281  
Hepatic duct, common, metastatic colon carcinoma to, 246  
Hepatic metastases, DEBDOX transarterial chemoembolization for, 93  
Hepatic neuroendocrine tumor, removal of, causing Budd-Chiari syndrome, E27  
Hepatic resection  
    hemostatic factors in patients undergoing, 1188  
    for hepatocellular carcinoma in cirrhosis, 1490  
Hepatic segment IV-V, congenital absence of, E175  
Hepatitis C virus, with cirrhosis, 174  
Hepatocellular adenoma, in men, 373  
Hepatocellular carcinoma  
    clinicopathological risk factors for postoperative recurrence of, 572  
    direct cardiac invasion of (letter), 512  
    hepatic arterial therapy in treatment of, 868  
    high-intensity focused ultrasound for, 1496  
    inconsistent management of, 207  
    minor hepatic resection for, 1490  
Hereditary hemorrhagic telangiectasia, managing hepatic diseases in, 281  
Hereditary spherocytosis, in pediatric patient, E22  
Hernia  
    abdominal exploration for during late pregnancy, 502  
    athlete's: diagnosis, pathophysiology, and treatment of, 1472  
    emergent incisional repair of, 971  
    hiatal, management of, 1565  
    incarcerated umbilical hernia, in pregnant woman, E43  
    inguinal  
        detecting contralateral defect in in repair of, 1463  
        early direct, 1472  
        Fontan circulation complicated by intraperitoneal hemorrhage, E34  
        laparoscopic repair of, 389  
        robotic repair of with robotic prostatectomy, 238  
        vaginal evisceration complicating repair of, 122  
    lumbar, laparoscopic transabdominal pre-peritoneal repair of, E292  
    obturator  
        Kugel hernia repair of, 242  
        surgical anatomy and repair of, 1147  
    septum transversum, laparoscopic repair of, E170  
    spigelian, ruptured appendicitis in, E294  
    ventral  
        after sternal reconstruction, E96  
        laparoscopic repair of, 458, 510  
        mesh repair of, 743  
        porcine mesh repair of, 144  
        during pregnancy, E289  
        spontaneous small bowel evisceration on, 120  
        transfascial sutures vs. tacks for, 458  
Hernia repair  
    component separation technique for, 839  
    high-risk incisional, 144  
    laparoscopic vs. open paraesophageal, 1353  
    lysostaphin-coated mesh to prevent wound infections in, 1025  
    open paraesophageal vs. laparoscopic repair, 1353  
    subcutaneous talc application in, 888  
Hirschsprung's disease, robotic pull-through for, 937  
Histology, in bronchopulmonary carcinoids, 1669  
HIV-positive patients, cholangiocarcinoma in, E105  
Hollow viscus injury, in motor vehicle collision, 534  
Hospital mortality, glycemic state and, 1483  
Hospital stay, acute care surgery model and length of, 1318  
Hürthle cell carcinoma, late recurrence of, E236  
Hyaluronate-iodine complex, for wound healing, 355  
Hydradenitis, chronic suppurative, squamous cell carcinoma in, 1449  
Hyperparathyroidism, gamma camera in navigation surgery for, 690  
Hypertension  
    intra-abdominal  
        in abdominal compartment syndrome, S1  
        definitions and pathophysiology of, S6  
        long-term implications of, S78  
        in medical patients, S67  
        nonoperative management of, S34  
        in nontrauma surgical patients, S62  
        resuscitation in, S31  
        at risk populations for, S12  
        surgical management of, S42  
        cardiopulmonary monitoring in, S23  
        measurement techniques for, S17  
Hypothermia for circulatory arrest, deep, in proximal arch replacement, 1438
- I**
- Ileal pouch-anal anastomosis, *Clostridium difficile* pouchitis after, E214  
Ileitis, with cardiac assist devices, E182  
Ileocecal fold of Treves, in small bowel obstruction, 235  
Ileocolic artery aneurysm, presenting as gastrointestinal bleed, E224  
Ileocolic intussusception, in endometriosis, E129  
Ileostomy, closure of after total mesorectal excision, 1619  
Incisional hernia, laparoscopic repair of, 389  
Infants, robotic pull-through for Hirschsprung's disease in, 937  
Inferior vena cava filters, follow-up and rate of removal of, 103  
Inflammatory bowel disease, total abdominal colectomy for, 1613  
Inflammatory disease, pelvic, small bowel obstruction in, E80  
Inflammatory modulation, postoperative glutamine-enriched total parenteral nutrition in, 59  
Informed consent, quality of for de-escalation of care, 883  
Inguinal herniorrhaphy, lymphogranuloma venereum found during, 247  
Injury Severity Score  
    famotidine use and, 1580  
    in trauma assessment, 1576  
Inner-city youth violence, education program for, 451  
Insurance, alcohol use and lack of in trauma patients, 621  
Intensive care, for cardiopulmonary arrest with GI perforation, 1276  
Intercede, in reducing incidence of Frey's syndrome, 351  
Interns, performance of in "war game" simulations, 370  
Intestinal duplication, pseudomyxoma peritonei arising from, 233  
Intestinal malrotation, with Crohn's disease, E3  
Intestinal nonrotation, in adult, E260  
Intestinal obstruction. *See* Bowel, obstruction of  
Intra-abdominal abscess  
    drainage of, innovative technique for, E166  
    with intraoperative irrigation, 78  
Intra-abdominal infections, percutaneous vs. open surgical drainage of, 862  
Intra-abdominal pressure, subcutaneous linea alba fasciotomy for, 99  
Intraoperative irrigation, postoperative intraabdominal abscesses and, 78  
Intraoperative localization technique, for nonpalpable breast calcifications, 1467  
Intraperitoneal hemorrhage, Fontan circulation complicated by, E34  
Iron deficiency anemia, unusual cause of, 127  
Isosulfan blue injection, sudden false oxygen desaturation and factitious methemoglobinemia after, 383
- J**
- Jefferson Medical College, founding of, 801  
Jejunum intussusception, heterotopic gastric mucosa in, E204  
Jugular vein, internal, profuse bleeding from, 232  
Junior medical surgical clerkships, value of, 1161  
Juvenile polyposis syndrome, differential diagnosis and management of, E301
- K**
- Keen, William Williams, 649  
Kelly clamp crushing resection, versus heat coagulative necrosis, 1490  
Kidney donation, laparoscopic living, 911  
Kidney transplantation  
    donor outcomes in, 911  
    in elderly patients, 1269  
    pediatric coronary artery disease after, 731  
Klatskin tumors, Bismuth-Corlette classification of, 1695  
Klippel-Trenaunay syndrome, with splenomegaly, E240  
Krukenberg tumors, from colorectal cancer, 1381  
Kugel hernia repair, through anterior approach, 242

## L

- Lactate, predicting mortality in trauma, 1576
- Laparoscopic colectomy, complications of, 65
- Laparoscopic-endoscopic procedure, for GI stromal tumors of stomach, 1100
- Laparoscopic enucleation, for benign gastric pathology, 1390
- Laparoscopic excision, of symptomatic brunneroma, E37
- Laparoscopic multivisceral resection, for infiltrating pancreatic non-Hodgkin's lymphoma, E212
- Laparoscopic resection, of lesser curve gastrointestinal stromal tumor, E147
- Laparoscopic sleeve gastrectomy, staple-line leakage and hemorrhage in, 1665
- Laparoscopic splenectomy, for cirrhosis with hepatitis C virus, 174
- Laparoscopic transabdominal pre-peritoneal repair, of lumbar hernia, E292
- Laparoscopic ventral hernia repair, transfascial sutures vs. tacks in, 458
- Laparoscopy
- benefits of, 527
  - bile duct injury in, 1584
  - for chylos ascites in traumatic injury, 507
  - in colorectal surgery, 1300
  - detecting contralateral defect with inguinal hernia repair, 1463
  - extracorporeal single-incision, 557
  - for inguinal and incisional hernia repair, 389
  - in kidney transplant donation, 911
  - in Kugel hernia repair, 242
  - for Meckel's diverticulum, E156
  - in open paraesophageal hernia repair, 1353
  - for paraesophageal hernias, 1565
  - for perforated peptic ulcer disease, 803
  - for septum transversum hernia, E170
  - simulation training for, 708
  - single incision
    - for intra-abdominal metastatic melanoma, E164
    - poorer performance and increased surgeon workload with, 73
  - in small bowel obstruction after previous laparotomy, 185
  - surgical site infection after, 1290
  - in total distal pancreatectomy, 1526
  - two-port, of common bile duct, 422
  - in ventral hernia repair, 510
  - for Waugh's syndrome, E78
- Laparotomy, of neuroendocrine tumors of rectum, 198
- Laryngeal nerve monitoring, time and cost of, E158
- Laryngopharyngeal reflux, Nissen fundoplication for, 878
- Larynx, iatrogenic lesion of during total thyroidectomy, E45
- Leiomyoma, primary anterior abdominal wall, E208
- Leiomyosarcoma
- of colon, unresolved issues of, E62
  - of inferior cava vein, E121
- Length of stay, with laparoscopic distal pancreatectomy, 1526
- Letters to editor
- are we prepared yet for the extremes of weather changes? Emergency of several severe frostbite cases in Louisiana, 1712
  - debunking the experience versus expertise debate in surgical specialties, 1279
  - direct cardiac invasion of hepatocellular carcinoma with ball-valve phenomenon, 512
  - ethanol intoxication is a confounding factor in traumatic brain injury outcome, 665
  - morbidity and mortality of the confederate generals during the American Civil War, 1563
  - postoperative nausea and vomiting in males, 512
- Leukemia, acute myeloid, typhilitis of appendix in, 231
- Level I verification, in decreased mortality rate after torso vascular injuries, 32
- Lidocaine patches, for pain with rib fractures, 438
- Limb ischemia, critical, open surgical procedure for, 315
- Linea alba fasciotomy
- for abdominal compartment syndrome and intra-abdominal hypertension, 542
  - subcutaneous, 99
- Lingual arteries, from external carotid artery, 151
- Lipoma, adrenal, 1265
- Lister, Joseph, gangrene therapy and antisepsis before, 1138
- Listerian revolution, Gross and Agnew clinics in, E229
- Live tissue training, versus emergency procedure simulators, 561
- Liver
- cystoid gossypiboma after cholecystectomy, E17
  - metastasis to
    - macrophage-induced osteopontin in, 1515
    - treatment outcome for, 1274
  - resection of
    - for hepatocellular adenoma, 373
    - prophylactic drainage after, 539
  - transection of, microwave technology in, 417

- Liver hanging maneuver, for giant hepatic hemangiomas, 48
- Liver transplantation
  - hepatic arterial therapy and, 868
  - for hepatocellular carcinoma, 207
- Lobular carcinoma, invasive, preoperative MRI and surgical management of, 1368
- Long-term survival, after vascular resection for hilar cholangiocarcinoma, E82
- Loreta, Pietro, contributions of, 290
- Loss of heterozygosity (LOH), in sporadic colorectal carcinoma, 38
- Louis XIV, College of Surgeons and, 1559
- Lower extremity
  - circulation in, dynamic ultrasound and treadmill in assessment of, 1091
  - persistent sciatic artery embolization to, 366
- Lower extremity bypass, perioperative outcomes with, 844
- Lower limb salvage, distal venous arterialization in, 726
- Lumpectomy, re-excision, decreasing rate of, 720
- Lung
  - cancer of
    - improved accessibility for treating, 79
    - intrapulmonary thymoma mimicking, E222
    - nonsmall cell carcinoma of (NSCLC), thoracic surgery for in octogenarians, 675
- Lung hilum vascular region, improved accessibility to, 79
- Lymph nodes
  - in breast cancer, lymphovascular invasion and, 874
  - in bronchopulmonary carcinoids, 1669
  - dissection of, improving gastric adenocarcinoma staging, 1326
  - metastasis to
    - in cutaneous melanoma, prediction of, 1009
    - pattern analysis of, 322
- Lymph nodes ratio, in colorectal cancer survival, 602
- Lymphazurin injection, sudden false oxygen desaturation and factitious methemoglobinemia after, 383
- Lymphedema
  - nerve entrapment after treatment for, 248
  - retroperitoneal, appearance of on CT scan, 799
- Lymphogranuloma venereum, incidental finding of, 247
- Lymphoma
  - gallbladder, 360
  - plasmablastic small bowel, E142
- Lymphovascular invasion
  - in breast cancer, 874
  - in melanoma prognosis, 992
- Lysostaphin-coated mesh, in hernia repair, 1025

## M

- Macrophage-induced osteopontin, 1515
- Magnetic resonance imaging
  - after bilateral mastectomy, 180
  - identifying Rotter's lymph nodes, E10
  - pathologic and radiologic breast tumor size in, 1361
  - preoperative, 1368
- Malignancy, radium implant treatment and, 372
- Mammographic abnormalities, ultrasound and wire-guided procedures for, 640
- Manometry, high-resolution, in esophageal epiphrenic diverticula, 1661
- Mass spectrometry, breath analysis by, 747
- Mastectomy
  - bilateral, pyoderma gangrenosum after, E144
  - breast MRI after, 180
  - breast reconstruction after in elderly, 1640
  - history of, 566
  - regional block anesthesia for, 1692
- Mazabraud syndrome, breast lesions with, E7
- McClellan, George, 801
- McCune-Albright syndrome, breast lesions with, E7
- Meckel's diverticulum, laparoscopic treatment of, E156
- Median nerve entrapment, after lymphedema treatment in breast cancer, 248
- Median sternotomy approach, to large hepatic neuroendocrine tumor, E27
- Mediastinal mass, foreign body in, E179
- Medical students
  - mentorship as surgical career strategy for, 1432
  - performance of in "war game" simulations, 370
- Medical training
  - in minimally invasive approaches, 902
  - protected research time in, 907
- Megaesophagus, achalasia with, 362
- Melanoma
  - hepatic metastases from, chemoembolization for, 93
  - lymphovascular invasion as prognostic factor in, 992

- thin, shave biopsy in managing, 1050  
 tumor infiltrating lymphocytes in prognosis of, 188  
 Mentorship, of surgical students, 1432  
 Mercury ingestion, in appendicitis, 795  
 Mesenteric ischemia  
   acute arterial (AAMI), revascularized, 832  
   occult pulmonary arteriovenous malformation in, 1096  
 Mesh hernia repair, 1025  
   for midline ventral hernia, 743  
   porcine, for high-risk incisional hernia and abdominal wall defects, 144  
   for traumatic Petit lumbar hernia, E292  
 Mesorectal excision, total, proximal diverting stoma after, 1619  
 Metastatic disease  
   intra-abdominal melanoma, single-incision laparoscopy for, E164  
   ovarian, from colorectal cancer, 1381  
   to pancreas, 793  
   from uterine leiomyosarcoma, 125  
   pulmonary, from osteoclast-like giant cell tumor of pancreas, E275  
   of solitary renal cell carcinoma, E53  
 Methemoglobinemia, factitious, after isosulfan blue injection, 383  
 Methicillin-resistant *Staphylococcus aureus*, eradication of in carriers, 27  
 Methimazole-induced agranulocytosis, *Pseudomonas aeruginosa* necrotizing fasciitis with, 1561  
 Microwave technology, in liver transection, 417  
 Midline laparotomy incision, with median sternotomy approach, E27  
 Miles, Sir William Ernest, 658  
 Military populations, traumatic colon injury in, 1685  
 Minimally invasive treatment  
   fasciotomy, for abdominal compartment syndrome, S51  
   for parathyroid, 484  
   in resection of stromal stomach tumors, 1100  
   in surgical residency training, 902  
   transperitoneal vs. retroperitoneal approaches in, 409  
 Mobile technology, as diagnostic aid in Congo, E242  
 Mopeds, laws regulating, 304  
 Mortality rate  
   with damage control strategies for trauma patients, 778  
   by decade in trauma patients, 1342  
   level I verification decreasing, 32  
 Mortality risk stratification, in elderly trauma patients, 1337  
 Motor vehicle collisions  
   alcohol-related, 304  
   racial disparities in outcomes of, 1346  
   seatbelt triad in, 534  
 Motorcycle crashes, alcohol-related, 304  
 Multidisciplinary management, of airway obstruction, preoperative, E91  
 Muscle abscess, in lower extremity, E306  
 Mütter, Thomas Dent, 662

## N

- National Surgical Quality Improvement Program Database, American College of Surgeons, 832  
   in emergency vs. nonemergency surgery assessment, 951  
   for total abdominal colectomy outcomes, 1613  
 Nausea and vomiting, postoperative (letter), 512  
 Near-drowning, cervical spinal cord injury associated with, 426  
 Neck injury, penetrating, retroperitoneal lymphedema after, 799  
 Necrotizing fasciitis, with ruptured appendicitis, E294  
 Necrotizing vulvulus, of gallbladder, E298  
 Neoadjuvant chemoradiation, complications and pathologic complete response after, 1281  
 Neoadjuvant chemotherapy, for breast cancer, cavity margin status after, 1700  
 Neoesophagus, for esophageal atresia repair complications, 251  
 Neonates, Graves disease in, 380  
 Neoplastic disorders, total abdominal colectomy for, 1613  
 Nephrectomy, laparoscopic donor, 911  
 Nephropathy, contrast-induced, in trauma, 686  
 Nerve entrapment, after lymphedema treatment in breast cancer, 248  
 Neuroendocrine cancer, poorly differentiated, surgery after neoadjuvant chemotherapy for, 1102  
 Neuroendocrine tumors, of rectum, 198  
 Neurosurgery, pioneer in, 649  
 Nissen fundoplication, laryngopharyngeal reflux and, 878  
 Nodular fibrous pseudotumor, reactive, presenting as small bowel obstruction, 790  
 Non-Hodgkin's lymphoma, infiltrating pancreatic, mimicking vast cystic neoplasm, E212  
 Nonoperative management  
   of blunt splenic trauma, 215  
   of intra-abdominal hypertension and abdominal compartment syndrome, S34  
 Norman 20% rule, for minimally invasive parathyroid surgery, 484

## O

- Obesity  
   endoscopically-assisted tube thoracostomy placement in, 119  
   in trauma patients, 1003  
 Obstetric patient, surgeon's role in abdominal catastrophes in, E278  
 Obturator artery, aberrant, E126  
 Octreotide, for postoperative pancreatic fistula, 257  
 Oncotype DX assay, in estrogen receptor-positive breast cancers, 1364  
 Open surgical interventions  
   for critical limb ischemia, 315  
   in drainage of postoperative intra-abdominal infections, 862  
   for hepatic artery aneurysms, 608  
 Oral contraceptives, in breast cancer, E33  
 Organ salvage technique, for complete pancreatic transection in children, 612  
 Orthopedic traumatologists, in rural trauma centers, 716  
 Osteopontin, macrophage induced, 1515  
 Oxaliplatin-associated interstitial pneumonitis, E272  
 Oxaliplatin-induced immune thrombocytopenia, with colon cancer, E9  
 Oxidized regenerated cellulose, in reducing incidence of Frey's syndrome, 351  
 Oxygen desaturation, sudden false, after isosulfan blue injection, 383

## P

- Pacemaker placement, intrapericardial diaphragmatic hernia after in children, E250  
 Pain reduction, lidocaine patches for, 438  
 Pancreas  
   cancer of, glycemic control and, 1032  
   fistulas of  
   after pancreaticoduodenectomy, 257  
   after stapled gland transection, 965  
   managing trauma to, 1  
   metastases to from uterine leiomyosarcoma, with vascular involvement, 125  
   metastatic cancer of, 793  
   osteoclast-like giant cell tumor of, E275  
   transplantation of, improved short-term outcomes in, 1407  
 Pancreatectomy  
   hepatic artery hemorrhage after, 236  
   spleen-preserving distal, 1  
   total laparoscopic distal, 1526  
 Pancreatic duct stones, endoscopic vs. surgical treatment of, 1531  
 Pancreatic fluid, collection of, 1650  
 Pancreatic head, wedge resection of, E30  
 Pancreatic transection, complete, in children, 612  
 Pancreaticoduodenectomy  
   blood transfusion free vs. transfusion-eligible, 81  
   for gastric polyposis and duodenal ampullary adenoma, 378  
   in nonuniversity tertiary care center, 545  
   pancreatic fistula risk after, 257  
   reconstruction after, 1271  
 Pancreatitis  
   duodenal duplication cyst and, 1267  
   pancreatic duct stone treatment in, 1531  
 Pancreatoduodenectomy, bile duct cancer prognostic factors after, 1445  
 Papillary carcinoma, intracystic, E284  
   with intraductal breast carcinoma in male, E267  
 Papillary mucinous neoplasm, intraductal, E199  
 Paraesophageal hernia, management of, 1565  
 Paraganglioma, with renal artery aneurysm, E41  
 Parathyroid, minimally invasive surgery of, 484  
 Parathyroid cyst, E256  
 Parenteral nutrition  
   central line risks in, 1104  
   standardized hospital compounded formulations of, E109  
 Parenteral nutrition, total, in postoperative inflammatory modulation, 59  
 Parotid surgery, reducing incidence of Frey's syndrome after, 351  
 Patient characteristics  
   in cardiopulmonary arrest, 273  
   and outcome in traumatic colon injury, 1685  
 Patient Self-Determination Act, 883  
 Pediatric patient. See Children  
 Pelvic cavity, nonfatal perineal impalement injury traversing, E232  
 Pelvic exenteration  
   for solitary fibrous tumor, 112

- total, single-institution approach to, 1629
- Pelvic fractures
- aberrant obturator artery after, E126
  - CT detection of arterial bleeding after, 1176
  - rural center orthopedic traumatologists and outcomes of, 716
- Pelvic X-rays, costs of in trauma setting, 337
- Pelvis
- inflammatory disease of in small bowel obstruction, E80
  - sepsis of after microsurgical polyp excision, E154
  - solitary fibrous tumor of, preoperative embolization and pelvic exenteration for, 112
- Penetrating injuries, in children, under-recognized sources of, 1076
- Peptic ulcer disease
- Helicobacter pylori* in, 1054
  - perforated, laparoscopic vs. open repair of, 803
- Percutaneous drainage
- for abdominal compartment syndrome, S51
  - of postoperative intra-abdominal infections, 862
  - for sigmoid cancer with abdominal wall abscess, E226
  - transhepatic gallbladder, for spontaneous cholecystocutaneous fistula, E285
  - traumatic duodenal hematoma with in children, E220
- Perineal impalement, traversing pelvic, abdominal, and thoracic cavities, E232
- Perirectal abscess, computed tomography to detect, 166
- Peritoneum
- carcinomatosis of, lymph nodes ratio and survival with, 602
  - recurrent hemangiopericytoma of, E65
  - surface malignancy of, selective criteria for complete cytoreduction in, 430
- Peutz-Jeghers type rectal polyp, ultralow anterior resection for, 501
- Pharyngeal apparatus
- abnormal anatomy of, 1243
  - embryogenesis of, 1230
  - lateral congenital anomalies of, 1230, 1257
- Pharyngeal cleft, second and third, 1257
- Pharynx
- abnormal anatomy of, 1243
  - fistulas of
    - pouch, 1257
    - stepladder surgery for, 1257  - lateral congenital anomalies of, 1257
  - normal developmental anatomy of, 1230
- Phlegmasia cerulea dolens, pharmacomechanical thrombolysis for, 1606
- Physician behavior, disruptive, 1600
- Pneumatosis cystoides intestinalis, presenting with portal vein gas and pneumoperitoneum, E119
- Pneumonectomy
- giant mass lung cancer, improved accessibility in, 79
  - traumatic, 493
- Pneumonia
- cervical spinal cord injury and, 426
  - ventilator-associated
    - administrative-reported rates of, 998
    - diagnosis of, 297
- Pneumonitis, stress-induced oxaliplatin-associated interstitial, E272
- Pneumoperitoneum
- with pneumatosis cystoides intestinalis, E119
  - progressive preoperative, for adhesiolysis, E193
- Pneumothorax, ultrasound vs. chest X-rays and CT scan for, 480
- Poland's syndrome, ipsilateral breast cancer with, 234
- Popliteal artery injury, in urban trauma center with rural catchment, 1521
- Porcine dermal matrix
- acellular, in chest wall reconstruction, E115
  - mechanical failure of, E287
- Portacaval shunt, cost-effective analysis of, 169
- Portal vein
- aneurysm of, 503
  - gas in, with pneumatosis cystoides intestinalis, E119
  - septic thrombophlebitis of, E206
- Portosystemic shunt, cost-effective analysis of, 169
- Positron emission tomography, in esophageal carcinosarcoma, 128
- Postcholecystectomy syndrome, dilated cystic duct stump causing, E67
- Postoperative complications
- abdominal drainage to prevent, 539
  - appendix diameter predicting, 307
  - preoperative serum albumin predicting, 1286
- Postoperative infection
- after rectal polyps excision, E154
  - deep vein thrombosis prophylaxis and, 1309
  - in laparoscopic vs. open colorectal surgery, 1290
  - percutaneous vs. open surgical drainage of, 862
  - prevention of, MRSA eradication in, 27
  - with subcutaneous talc in hernia repair, 888
- Pouchitis, after ileal pouch-anal anastomosis, E214
- Prealbumin, preoperative, 1286
- Pregnancy
- incarcerated umbilical hernia in, E43
  - internal hernia exploration during, 502
  - left main dissection in, emergency treatment of, 253
  - massive small bowel resection during, 1589
  - spontaneous hemoperitoneum during, E69
  - surgical indications for ulcerative colitis during, E281
  - ventral hernia during, E289
- Premedical education, outreach to women in, 1412
- Procedural checklists, 1131
- Proctocolectomy
- Clostridium difficile* pouchitis after, E214
  - incisionless laparoscopic total, 929
  - of neuroendocrine tumors of rectum, 198
- Professionalism
- introducing to surgical residents, 960
  - managing influence and conflict of interest with, 807
- Prognosis
- after pancreatoduodenectomy, 1445
  - Bayesian Belief Network Model in assessing, 221
  - of melanoma, tumor infiltrating lymphocytes in, 188
  - pattern analysis of lymph node metastasis in, 322
  - 18q LOH and in sporadic colorectal carcinoma, 38
- Prophylactic drainage, after liver resection, 539
- Propofol infusion syndrome, prevention of, 1714
- Prostatectomy, robotic, with inguinal hernia repair, 238
- Proteinuria, as renal dysfunction predictor in trauma patients, 1194
- Proximal arch replacement, deep hypothermia for circulatory arrest in, 1438
- Pseudocysts, pancreatic fluid collection in, 1650
- Pseudomonas aeruginosa* necrotizing fasciitis, with methimazole-induced agranulocytosis, 1561
- Pseudomyoma peritonei, in intestinal duplication, 233
- Pulmonary pseudocyst, traumatic, 1098
- Pulse spray thrombolysis, for phlegmasia cerulea dolens, 1606
- Pylorus
- atresia of, 249
  - digital divulsion of, 290
- Pyoderma gangrenosum
- after bilateral mastectomies, E144
  - parastomal, with parastomal small bowel evisceration, E150
  - retrospective study of, 1644

## Q

- Quality improvement pilot program, for vulnerable elderly surgical patients, 1305

## R

- Racial disparities, in use of restraints and vehicular collision outcomes, 1346
- Radial nerve entrapment, after lymphedema treatment in breast cancer, 248
- Radiation therapy
- for advanced and recurrent rectal cancer, 1086
  - in surgical outcomes of breast reconstruction, 1349
  - for trauma patients, 193
- Radiofrequency ablation
- hepatic arterial therapy and, 868
  - for hepatocellular carcinoma, 207
- Radiofrequency device, bipolar, heat coagulative necrosis with, 1490
- Radiology department, cardiopulmonary arrest in, 273
- Radium implant, for birthmark at infancy, 372
- Recombinant factor VIIa
- activated, uncontrolled GI bleeding and, E59
  - in massive transfusion protocol, 1043
- Rectal bleeding, bowel endometriosis causing, 239
- Rectum
- abscess of, CT scan to detect, 166
  - cancer of
    - abdominoperineal operation for, 658
    - advanced and recurrent, interventional radiology for, 1086
    - surgical complications and pathologic complete response in, 1281
    - transanal endoscopic microsurgery for, 761  - gastric heterotopia in, 659
  - neuroendocrine tumors of, 198
  - polyps of
    - prolapsed, ultralow anterior resection for, 501

- spinal infections after excision of, 791
- transanal endoscopic microsurgical excision of, E154
- Rectus abdominis muscle flap, ventral hepatic lobe herniation and, E96
- Renal artery aneurysm, paraganglioma with, E41
- Renal cell carcinoma
  - delayed solitary metastatic, E53
  - metastatic, wedge resection of pancreatic head for, E30
- Renal dysfunction, predictors of in trauma patients, 1194
- Renal insufficiency, predicting mortality in geriatric surgical patients, 1322
- Rendu-Osler-Weber disease. *See* Hereditary hemorrhagic telangiectasia
- Rescue surgery, for Hürthle cell carcinoma recurrence, E236
- Research time, in surgical training, 907
- Resection
  - of hilar cholangiocarcinoma, 627
  - of neuroendocrine tumors of rectum, 198
  - of small bowel plasmablastic lymphoma, E142
  - ultralow anterior, for prolapsed giant solitary rectal polyp, 501
- Resident training. *See also* Surgical education
  - in bariatric surgery, 1094
  - in preparation for battlefield trauma management, 19, 22, 25
- Respiratory failure, postoperative, occult pulmonary arteriovenous malformation in, 1096
- Restraints, use of and motor vehicle collision outcomes, 1346
- Resuscitation
  - damage control, 201
  - end point markers in, 1576
  - in intra-abdominal hypertension and abdominal compartment syndrome, 531
- Retrocolic spaces, in laparoscopic right hemicolectomy, 1546
- Retrorrectal bilobed cyst, in dyschezia, 499
- Revascularization
  - of acute mesenteric ischemia, 832
  - emergency off-pump, 253
  - infrainguinal, in elderly patients, 1222
- Rib fractures, reducing pain with, 438
- Robotic pull-through, for Hirschsprung's disease in infants, 937
- Robotic repair, of inguinal hernia, 238
- Rotter's lymph nodes, preoperative management of, E10
- Rural hospitals, general surgery at, 820
- Rural trauma centers, full-time orthopedic traumatologists in, 716

## S

- Safety checklists, surgical, 1131
- Salmonella typhi* breast abscess, E133
- Saphenous vein grafts, surgical skin markers and failure of, 922
- Scalping injuries, novel treatment of, 1106
- Sciatic artery, persistent embolization of, management of, 366
- Scleroderma, colonic obstruction in, 364
- Seamguard, with laparoscopic sleeve gastrectomy, 1665
- Seatbelt triad, 534
- Sedation, transinguinal preperitoneal patch with, 1681
- Semmelweis, Ignaz Phillip, hand hygiene principles of, 123
- Seroma formation, with subcutaneous talc in hernia repair, 888
- Serum albumin, preoperative, predicting postoperative complications, 1286
- Short bowel syndrome, massive small bowel resection causing, 1589
- Shotgun injury, pellet venous embolism from, E162
- Shoulder fractures, CT detection of, 1183
- Shunts, Denver peritoneovenous, for malignant ascites, 1070
- Sigmoid cancer
  - with abdominal wall abscess, E226
  - perforation after stenting of, E186
- Sigmoid degloving, traumatic, in children, 509
- Sigmoid volvulus, and floppy cecum, E188
- Signet-ring cell carcinoma, duodenal, with ampullary intestinal-type carcinoma, E262
- SILS Port, in single-incision transumbilical laparoscopic right hemicolectomy, 252
- Simulation training
  - for emergency procedure, 561
  - in enhancing laparoscopic competence, 708
- Skin
  - defects of
    - complete closure of, E254
    - setback pulley dermal suture for, 647
  - markers, impairing saphenous vein graft function, 922
  - ulceration of, spontaneous small bowel evisceration through, 120
- Skin grafting
  - electrosurgical tip cleaner before, E296
  - split thickness, for fasciotomy wounds, 1656
- Small bowel
  - mesentery of, recurrent giant GI stromal tumor in, E184
  - obstruction of
    - ileocecal fold of Treves in, 235
    - laparoscopy in, 185
    - in pelvic inflammatory disease, E80
    - reactive nodular fibrous pseudotumor presenting as, 790
  - parastomal evisceration of, with parastomal pyoderma gangrenosum, E150
  - plasmablastic lymphoma of, E142
  - resection of during pregnancy, 1589
  - spontaneous evisceration of, on massive ventral hernia, 120
- Solitary fibrous tumor, pelvic, preoperative embolization and pelvic exenteration for, 112
- Somatostatin, for postoperative pancreatic fistula, 257
- South (U.S.), surgical workforce in, 133
- Spanish, teaching on surgery clerkships, 1715
- Spinal cord injury, in near-drowning, 426
- Spinal infections, after rectal polyp excision, 791
- Spleen
  - benign cyst of, 118
  - embolization and grade of injury to, 215
  - rupture of, blunt splenic injury algorithm for, E85
  - trauma to with hereditary spherocytosis, E22
- Splenectomy
  - babesiosis causing fever in, 345
  - for cirrhosis with hepatitis C virus, 174
  - idiopathic spontaneous intraperitoneal hemorrhage after, 110
  - partial, using vascular stapler, 118
- Splenomegaly, Klippel-Trenaunay syndrome with, E240
- Squamous cell carcinoma, in chronic suppurative hydradenitis, 1449
- Staphylococcal infections, lysostaphin-coated mesh to prevent, 1025
- Staple closure, for surgical wound management, 1206
- Staple-line leakage, in laparoscopic sleeve gastrectomy, 1665
- Statins, in gastric bypass patients, 44
- Stents
  - carotid artery, late outcomes of, 1117
  - colon perforation after, E186
  - covered
    - for common hepatic artery hemorrhage, 236
    - for persistent sciatic artery embolization to lower extremity, 366
  - for left pancreatic trauma, 1
- Sternum
  - reconstruction of, ventral hepatic lobe herniation after, E96
  - transverse incisions in, titanium plate fixation in, 1477
- Steroids, high-dose perioperative, 1295
- Stewart, John D., 655
- Stoma, proximal diverting, after total mesorectal excision, 1619
- Stomach
  - benign tumors of, laparoscopic enucleation or wedge resection for, 1390
  - stromal tumors of, laparoscopic-endoscopic procedure for, 1100
- Stomal orifice, Hartmann procedure reversal through, 694
- Stromal tumors
  - gastrointestinal, E304
  - of stomach, laparoscopic-endoscopic procedure for, 1100
- Suicidal carotid artery transection, survival after, E50
- Sump drain, in intra-abdominal abscess drainage, E166
- Surgeons
  - general, 270
  - geographic maldistribution of, 133
  - as health system employees, 669
  - preparation of for battlefield trauma, 19, 22, 25
  - workload with single incision laparoscopic surgery vs. standard laparoscopy, 73
- Surgery
  - for abdominal compartment syndrome and intra-abdominal hypertension, 542
  - for downstream pancreatic duct stones, 1531
  - indications for in ulcerative colitis during pregnancy, E281
  - for mechanical cardiac support, 1314
- Surgery, emergency vs. nonemergency general, 951
- Surgery clerkship, teaching medical Spanish in, 1715
- Surgical backlogs, strategy for reducing, 597
- Surgical careers, advancement of women in, 1435
- Surgical clerkships, value of, 1161
- Surgical education
  - in Carolinas, 948
  - limitations for Pakistani students, 368
  - live tissue vs. simulator, 561
  - outreach to women in, 1412
  - protected research time in, 907
  - removing barriers to women in, 1437
  - women in, 1430

Surgical leaders  
 editorial, 1111  
 John H. Gibbon, Jr., 115, 1112

Surgical residents. *See also* Resident training: Surgical education  
 boot camp for, 960  
 future of, 270  
 geriatric education for, 826  
 minimally invasive training for, 902  
 operative trends in, 1675

Surgical safety checklist, 1131

Surgical sealants  
 in aortic surgery, E47  
 in postoperative pancreatic fistula risk, 257

Surgical site  
 infection at  
 deep vein thrombosis prophylaxis and, 1309  
 in laparoscopic vs. open colorectal surgery, 1290  
 prevention of, MRSA eradication in, 27  
 rate of laparoscopy and, 1300  
 sutures vs. staples for managing, 1206

Surgical specialties, experience vs. expertise in, 1279

Surgical workforce, in rural Tennessee hospitals, 820

Surveillance, for hepatocellular carcinoma, 207

Sutures  
 setback pulley dermal, 647  
 for surgical wound management, 1206  
 transfascial, long-term outcomes with, 458  
 Swenson pull-through, robotic, 937

**T**

T-tube choledochostomy, in common bile duct exploration, 422

Tailgut cysts, surgical approach to, E160

Talc, subcutaneous, in hernia repair, 888

Technology, as diagnostic aid in Congo, E242

Tertiary care centers, pancreaticoduodenectomy in, 545

Tertiary referral scoring system, predicting Hartmann's procedure nonreversal, 814

Thoracic cavity, nonfatal perineal impalement injury traversing, E232

Thoracic endovascular repairs, cerebral embolization during, 1399

Thoracic surgery, in octogenarians, 675

Thrombocytopenia  
 famotidine associated, 1580  
 oxaliplatin-induced, with colon cancer, E9

Thromboembolism, venous  
 predictive factors for, 1403  
 risk assessment profiles for in trauma patients, 783

Thrombolysis, pharmacomechanical, for phlegmasia cerulea dolens, 1606

Thrombophlebitis, septic, of portal vein, E206

Thymoma, intrapulmonary, mimicking lung cancer, E222

Thyroid artery, inferior, complete rupture of, 1107

Thyroid cancer  
 papillary, preoperative management of airway obstruction in, E91  
 preoperative management of airway obstruction in, E91

Thyroid carcinoma  
 in multinodal goiter, 1553  
 well-differentiated, cervical neck dissection in, 1624

Thyroidectomy  
 supraclavicular approach to, 656  
 total, iatrogenic laryngeal lesion during, E45

Timeliness of care, acute care surgery model and, 1318

Tissue plasminogen activators, for phlegmasia cerulea dolens, 1606

Titanium plate fixation system, in sternum transverse incisions, 1477

Torso vascular injuries, level I verification and decreased mortality after, 32

Total vascular exclusion (TVE), for giant hepatic hemangiomas, 48

Tourniquet, reducing time for, 162

Tracheostomy, conversion of cricothyroidotomy to, 1707

Transarterial chemoembolization, image guided, with DEBDOX for hepatic metastases, 93

Transfusion  
 massive, identifying patients at risk for, 155  
 recombinant factor VIIa in, 1043

Transinguinal preperitoneal patch, with local anesthesia and sedation, 1681

Transjugular intrahepatic portosystemic shunt, cost-effective analysis of, 169

Transplants, grandfather of, 655

Transumbilical laparoscopic right hemicolectomy, single-incision, 252

Transverse rectus abdominis musculocutaneous flap, in elderly, 1640

Trauma centers  
 closed midshaft femur fractures in, 476  
 level I  
 American College of Surgeons and state-verified, 1334  
 recombinant factor VIIa in massive transfusion protocol in, 1043  
 levels I and II, 277  
 popliteal artery injuries in, 1521

Trauma patients  
 central line-associated blood stream infection in, 1038  
 contrast-induced nephropathy in, 686  
 elderly, mortality risk stratification in, 1337  
 follow-up and rate of inferior vena cava filter removal in, 103  
 management of on battlefield, 19, 22, 25  
 mortality predictions with damage control for, 778  
 mortality rates by decade in, 1342  
 obesity and outcomes in, 1003  
 proteinuria predicting renal dysfunction in, 1194  
 venous thromboembolism risk assessment profiles for, 783

Trauma teams, criteria for activation of, 1201

Traumatic injury  
 atrial arrhythmias in, 634  
 of brain  
 blood alcohol concentration and outcome of, 1416  
 ethanol intoxication in outcome of (letter), 665  
 incidence of in Tehran, E112  
 liver cirrhosis and, 311  
 chylous ascites caused by, 507  
 of colon, management and outcomes of, 1685  
 complete pancreatic transection in children from, 612  
 consent for de-escalation of care for, 883  
 critical illness-related corticosteroid insufficiency in, 579  
 delirium risk in, 621  
 diaphragmatic rupture in, E85  
 duodenal diversion after, 361  
 famotidine-associated thrombocytopenia in, 1580  
 geriatric, 1144  
 to head, outcomes of, 277  
 lactate as mortality predictor in, 1576  
 laparoscopy for, small bowel obstruction after, 185  
 pelvic X-rays for, costs of, 337  
 penetrating thoracoabdominal, endoscopically-assisted tube thoracostomy placement in, 119  
 Petit lumbar hernia in, E292  
 pneumonectomy for, 493  
 in pulmonary pseudocyst, 1098  
 radiation trends for, 193  
 reducing pain with rib fractures from, 438  
 in sigmoid degloving in children, 509  
 splenic, with hereditary spherocytosis, E22  
 spontaneous intraperitoneal hemorrhage post-splenectomy for, 110

Treading, for lower extremity circulation, 1091

Trichuris trichiura, endoscopic extraction of, 796

Trocar puncture, in intra-abdominal abscess drainage, E166

Tumor infiltrating lymphocytes, in melanoma prognosis, 188

Tumors  
 classification of, accuracy of, 1695  
 pathologic vs. radiologic size of, 1361  
 umbilical node and, E248

Twitter technology, as diagnostic aid in Congo, E242

Typhilitis, presenting as acute appendicitis, 231

## U

Ulcerative colitis, surgical indications for during pregnancy, E281

Ulnar artery, uncommon course of, 1716

Ulnar nerve entrapment, after lymphedema treatment in breast cancer, 248

Ultrasound  
 dynamic, for lower extremity circulation, 1091  
 endoscopic, for pancreatic fluid collections, 1650  
 high-intensity focused, for hepatocellular carcinoma, 1496  
 intraoperative, decreasing re-excision lumpectomies, 720  
 intraoperative, in wire-guided breast procedure, 640  
 for pneumothorax, 480  
 test sensitivity analysis of, E127

Umbilical hernial sac metastasis, with appendicitis, E124

Umbilical node, in patient with high tumor burden, E248

University of Alabama at Birmingham, School of Medicine and Department of Surgery of, 10

University of Louisville, School of Medicine, medical student mentorship in, 1432

University of Tennessee Health Science Center, history of Department of Surgery at, 139

Uterine leiomyosarcoma, pancreatic metastases from, 125

**V**

- Vacuum-assisted closure
  - in delayed primary closure, E168
  - for sigmoid cancer with abdominal wall abscess, E226
- Vacuum dressing, for fasciotomy wounds, 1656
- Vaginal evisceration, complicating inguinal hernia repair, 122
- Variceal bleeding, cost-effective management of in early cirrhosis, 169
- Vascular injury
  - with bile duct injury during cholecystectomy, 1330
  - hemostatic dressings for, 162
  - level I verification and decreased mortality rate after, 32
  - in motor vehicle collision, 534
- Vascular resection, long-term survival after, E82
- Vascular stapler, in partial splenectomy, 118
- Vein grafts, surgical skin markers and failure of, 922
- Venous angioplasty, for phlegmasia cerulea dolens, 1606
- Venous arterialization, distal, in lower limb salvage, 726
- Ventilation, prolonged, after coronary artery bypass graft, 942
- Ventilators, pneumonia associated with, 297, 998
- Vertebral artery injury, after blunt trauma, E72
- Veterans administration hospital, reducing surgical backlogs in, 597
- Virginia Commonwealth University, women in surgery programs of, 1430
- Volvulus, transverse colon, E244

**W**

- "War game" simulations, medical students and intern performance in, 370
- Waugh's syndrome, laparoscopic approach to, E78

- Wedge resection
  - for benign gastric pathology, 1390
  - for metastatic renal cell carcinoma, E30
- Western Trauma Association Blunt Splenic Injury Algorithm, in spontaneous splenic rupture, E85
- Whipple procedure, aberrant hepatic arterial anatomy and, 517
- Wide subcutaneous dissection, hernia repairs and, 888
- Women
  - career advancement of, 1435
  - removing barriers to in academic surgery, 1437
  - in surgery programs, 1430
- Work hour limitations, in surgery residents' operative experience, 1675
- Work-related injuries, survival and age effects on, 702
- Wound complications, with subcutaneous talc in hernia repair, 888
- Wound healing, hyaluronate-iodine complex for, 355
- Wound infection, lysostaphin-coated mesh to prevent, 1025

**X**

- X-rays
  - pelvic, costs of in trauma setting, 337
  - for pneumothorax, 480
  - for trauma patients, 193

**Z**

- Zollinger, Robert Milton, profile of, 1423, 1426, 1428